AASP African American Studies Fall 2010

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Gniesha Dinwiddie TuTh 3:30pm - 4:20pm M 10:00am - 10:50am	Seats (Total: 35) HJP 0226 ASY 3207	Discussion
0102	Gniesha Dinwiddie TuTh 3:30pm - 4:20pm M 12:00pm - 12:50pm	Seats (Total: 35) HJP 0226 ASY 3203	Discussion
0103	Gniesha Dinwiddie TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 35) HJP 0226 ASY 3203	Discussion
0104	Gniesha Dinwiddie TuTh 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 35) HJP 0226 ARC 1101	Discussion
0105	Gniesha Dinwiddie TuTh 3:30pm - 4:20pm W 11:00am - 11:50am	Seats (Total: 35) HJP 0226 TYD 2110	Discussion
0106	Gniesha Dinwiddie TuTh 3:30pm - 4:20pm W 1:00pm - 1:50pm	Seats (Total: 35) HJP 0226 ASY 3207	Discussion

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Gniesha Dinwiddie	Seats (Total: 5)	
	TuTh 3:30pm - 4:20pm	HJP 0226	
	Tu 2:00pm - 2:50pm	ASY 3203	Discussion

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course.
Formerly AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Jonathan England	Seats (Total: 36)
	TuTh 11:00am - 12:15pm	MMH 3418

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo	Seats (Total: 45)
	Th 4:00pm - 6:30pm	KEY 0116

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Dennis Doster MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 1105	
0102	Dennis Doster MW 11:00am - 12:15pm	Seats (Total: 35) LEF 2208	
0103	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 1108	
0104	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) LEF 1201	

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 5) TYD 1108	

AASP298A **Special Topics in Afro-American Studies: African Civilization to 1800**

AASP298A Special Topics in Afro-American Studies: African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Hilary Jones MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	 Discussion
0102	Hilary Jones MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 2120	 Discussion
0103	Hilary Jones MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2117	 Discussion

0104	Hilary Jones MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion

AASP298L **Special Topics in Afro-American Studies: Introduction to African-American Literature**

AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL234.

0101	Mary Washington TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0102	Mary Washington TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 EDU 2102	Discussion
0103	Mary Washington TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 KEY 0123	Discussion
0104	Mary Washington TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0105	Mary Washington TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 TWS 0207	Discussion
0107	Mary Washington TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 TWS 0205	Discussion
0109	Mary Washington TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 TWS 0201	Discussion

0110	Mary Washington TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 TWS 0234	 Discussion

AASP298V **Special Topics in African American Studies; The Blues as a Cultural Art Form**

AASP298V Special Topics in African American Studies: The Blues as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mark Puryear W 1:00pm - 3:30pm	Seats (Total: 35) NCC 0130

AASP298W **Special Topics in African American Studies; Introduction Creative Writing: African American Perspective**

AASP298W Special Topics in African American Studies: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

AASP298Y **Special Topics in African American Studies; Making of the Caribbean**
Contact department for information to register for this course.

AASP301 **Applied Policy Analysis and the Black Community**

AASP301 Applied Policy Analysis and the Black Community; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: (AASP101 and ECON200) or (AASP101 and ECON201).
Recommended: One semester of statistics. Development and application of the tools needed for examining the effectiveness of alternative policy options confronting minority communities. Review policy research methods used in forming and evaluating policies. Examination of the policy process.

0101	Lenneal Henderson Th 4:00pm - 6:30pm	Seats (Total: 24) PLS 1184

AASP313 **Black Women in United States History**

AASP313 Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as WMST314 and HIST329E. Credit will be granted for only one of the following: AASP498W, AASP313, HIST329E, WMST314 or WMST498N. Formerly AASP498W. Black American women's history is examined from slavery to the present. The principal focus of the readings discussions and student assignments will be based upon gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social change agents. A variety of primary source materials on black women's experiences will be utilized.

0101	Elsa Barkley Brown	Seats (Total: 35)
	Tu 3:30pm - 6:00pm	KEY 0116

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing. For AASP majors only.

Contact department for information to register for this course.

AASP395 **Fundamentals of Quantitative Research in Socio-Cultural Perspective**

AASP395 Fundamentals of Quantitative Research in Socio-Cultural Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. For AASP majors only. Introduction to quantitative methods for African American Studies majors in the cultural and social analysis concentration. Basics of survey design and experimental design and data analysis and use of statistical software programs.

0101	Gniesha Dinwiddie	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	SKN 1115

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisites: AASP297 (formerly:AASP299R), and AASP386. Senior standing. For AASP majors only. Credit will be granted for only one of the following: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Joseph Richardson	Seats (Total: 10)
	Th 12:30pm - 3:00pm	LEF 2169S

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398B **Selected Topics in the African Diaspora; African American Communities and Runaway Slaves in the U.S. South**

AASP398B Selected Topics in the African Diaspora: African American Communities and Runaway Slaves in the U.S. South; (3 credits) Grade Method: REG/P-F/AUD.

0101	David Terry	Seats (Total: 35)
	Tu 4:00pm - 6:30pm	SQH 1119

AASP398Y **Selected Topics in the African Diaspora; Caribbean History: 1492-1838**
Contact department for information to register for this course.

AASP400 **Directed Readings in African American Studies**

AASP400 Directed Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students.

0101	Jason Nichols	Seats (Total: 25)
	TuTh 9:30am - 10:45am	BPS 1228

AASP400H **Directed Readings in African American Studies**

AASP400H *(PermReq)* **Directed Readings in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. For general honors students only.

0101	Jason Nichols	Seats (Total: 5)
	TuTh 9:30am - 10:45am	BPS 1228

AASP411 **Black Resistance Movements**

AASP411 Black Resistance Movements; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. A comparative study of the black resistance movements in Africa and America; analysis of their interrelationships as well as their impact on contemporary pan-Africanism.

0101	Melinda Chateauvert	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 1119

AASP483 **Gender, Sexuality and the Black Family**

AASP483 Gender, Sexuality and the Black Family; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. Credit will be granted for only one of the following: AASP483 or AASP498F. Formerly AASP498F. Examining the historical, economic, social, and scholarly construction of African American family structures. The problematization of "Black matriarchy," hetero- and homosexuality, bi-racialism, and other efforts to "normalize" African Americans to conform to Eurocentric and religious concepts of family will be critically analyzed.

0101	Melinda Chateauvert	Seats (Total: 25)
	Tu 5:30pm - 8:00pm	TWS 0205

AASP498J **Special Topics in Black Culture; The Indian Experience in the Caribbean**
Contact department for information to register for this course.

AASP498X **Special Topics in Black Culture; The Greater Caribbean**
Contact department for information to register for this course.

AASP498Z **Special Topics in Black Culture; Caribbean Women**
Contact department for information to register for this course.

AASP499T **Advanced Topics in Public Policy and the Black Community; Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital**

AASP499T Advanced Topics in Public Policy and the Black Community: Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson	Seats (Total: 25)
	W 4:00pm - 6:30pm	KEY 0123

AAST Asian American Studies Fall 2010

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST 298C.

0101	Kozue Tsunoda	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	ASY 3207

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST221. Credit will be granted for only one of the following: AAST201, HIST219G, HIST219M, or HIST221.* Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era. Also offered as HIST219M.

0101	Lisa Mar MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	 Discussion
0201	Lisa Mar MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	 Discussion
0301	Lisa Mar MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) SYM 0200 ASY 3221	 Discussion
0401	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) SYM 0200 JMZ 0118	 Discussion

AAST233 **Introduction to Asian American Literature**

AAST233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Also offered as ENGL233. Not open to students who have completed ENGL233, AAST298L. Credit will be granted for only one of the following: ENGL233, AAST233, or AAST298L. Formerly AAST298L.* A survey of Asian American literature with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis Tu 5:00pm - 7:30pm	Seats (Total: 35) KEY 0126	

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa	Seats (Total: 15)
	Contact instructor or department for details.	

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa	Seats (Total: 5)
	Contact instructor or department for details.	

AAST398D **Selected Topics in Asian American Studies; Filipino American History and Biography**

AAST398D Selected Topics in Asian American Studies: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gemirald Daus	Seats (Total: 40)
	Tu 5:00pm - 7:30pm	ASY 3207

AAST398E **Multi-Ethnic Peer Counseling**

AAST398E Multi-Ethnic Peer Counseling; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0201	L Gomez	Seats (Total: 25)
	W 2:00pm - 4:45pm	SYM 0209

AAST398L **Selected Topics in Asian American Studies; Asian Americans in Film**

AAST398L Selected Topics in Asian American Studies: Asian Americans in Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lawrence-Minh Davis	Seats (Total: 40)
	Th 5:00pm - 7:30pm	ASY 3203

AAST424 **Sociology of Race Relations**

AAST424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Six credits in sociology or permission of department. Also offered as SOCY424. Not open to students who have completed SOCY424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Kendra Barber TuTh 8:00am - 9:15am	Seats (Total: 30) ASY 3203
SA13	Michael Ulrich Contact instructor or department for details.	Seats (Total: 10)

AAST498I **Advanced Topics in Asian American Studies; Asian American Leadership**

AAST498I Advanced Topics in Asian American Studies: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDCP418A.

0101	Dharma Naik, Douglas Lee TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 2102

AAST498M **Advanced Topics in Asian American Studies; Asian American Public Policy**

AAST498M Advanced Topics in Asian American Studies: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418N.

0101	Doua Thor W 5:00pm - 7:30pm	Seats (Total: 40) TWS 1107

AAST498P **Advanced Topics in Asian American Studies; Asian Americans and Model Minorities**

AAST498P Advanced Topics in Asian American Studies: Asian Americans and Model Minorities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418U,

0101	Larry Shinagawa TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 1119

AAST498R **Advanced Topics in Human Diversity and Advocacy**

AAST498R *(PermReq)* **Advanced Topics in Human Diversity and Advocacy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as EDCP420.

0101	Stephanie Chang	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMP 1109

AGNR Agriculture and Natural Resources Fall 2010

AGNR270 **Technology Training Seminar**

AGNR270 Technology Training Seminar; (2-3 credits) Grade Method: REG.
For AGNR major only or by permission of department. Also offered as BSCI279. Credit will be granted for only one of the following: AGNR270 or BSCI279. A hands-on training seminar about pedagogical applications of information technology and mastery of several technical skills. Special emphasis is placed on gainfully understanding technological issues such as copyright and intellectual property, accessibility, and usability. Restricted to AGNR majors only.

0101	Deborah Mateik	Seats (Total: 5)
	F 10:00am - 12:30pm	CSS 1410

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter	Seats (Total: 5)
	Contact instructor or department for details.	

AGNR499 **Special Problems; Special Problems**

AGNR499 *(PermReq)* **Special Problems: Special Problems; (1-3 credits)** Grade Method: REG/P-F/AUD.

0102	Leon Slaughter	Seats (Total: 1)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation Fall 2010

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL460. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Howard Elman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 3120

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Doron Levy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EGR 2154

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC607 **Advanced Numerical Optimization**

AMSC607 Advanced Numerical Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 410 or permission of instructor. Also offered as CMSC764. Credit will be granted for only one of the following: AMSC607, CMSC764, or MAPL607. Formerly MAPL607. Modern numerical methods for solving unconstrained and constrained nonlinear optimization problems in finite dimensions. Design of computational algorithms and the analysis of their properties.

0101	Dianne O'Leary	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 2118

AMSC660 **Scientific Computing I**

AMSC660 *(PermReq)* **Scientific Computing I; (3 credits)** Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL466, or knowledge of basic numerical analysis (linear equations, nonlinear integration, interpolation) with permission of instructor. Also offered as CMSC 660. Credit will be granted for only one of the following: AMSC 660, CMSC 660 or MAPL 660. Formerly MAPL660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software of each topic.

0201	Dianne O'Leary	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 2118

AMSC663 **Advanced Scientific Computing I**

AMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 660, AMSC/CMSC/MAPL 661, and permission of instructor. Also offered as CMSC 663. Credit will be granted for only one of the following: AMSC 663 or CMSC 663. In the sequence MAPL 663, MAPL 664 students work on a year-long individual project to develop software for a scientific task in a high perfomance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.

0101	Radu Balan	Seats (Total: 25)
	TuTh 5:15pm - 6:30pm	CSI 4122

AMSC666 **Numerical Analysis I**

AMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as CMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666. Formerly MAPL666.* Interpolation and approximation, numerical integration, solution algorithms for nonlinear systems of equations, numerical optimization. Click here for more course information.

0101	Tobias von Petersdorff	Seats (Total: 25)
	MWF 11:00am - 11:50am	CHM 0122

AMSC670 **Ordinary Differential Equations I**

AMSC670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 405; and MATH 410 or equivalent. Also offered as MATH 670. Credit will be granted for only one of the following: AMSC 670, MAPL 670 or MATH 670. Formerly MAPL670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only. Also offered as MATH670.

0101	Stuart Antman	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH 0304

AMSC673 **Partial Differential Equations I**

AMSC673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 411 or equivalent. Also offered as MATH 673. Credit will be granted for only one of the following: AMSC 673, MAPL 673 or MATH 673. Formerly MAPL673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only. Also offered as MATH673.

0101	Dionisios Margetis	Seats (Total: 30)
	MWF 9:00am - 9:50am	MTH 0103

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698B **Advanced Topics in Applied Mathematics; Error Correcting Codes**

AMSC698B Advanced Topics in Applied Mathematics: Error Correcting Codes; (3 credits) Grade Method: REG/AUD.

0101	Alexander Barg	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 1104

AMSC698O **Advanced Topics in Applied Mathematics; Topics in Classical Mechanics**

AMSC698O Advanced Topics in Applied Mathematics: Topics in Classical Mechanics; (1 credit) Grade Method: REG/AUD.

0101	Stuart Antman	Seats (Total: 20)
	M 4:00pm - 4:50pm	MTH 0102

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Fall 2010

AMST201 **Introduction to American Studies**

AMST201 Introduction to American Studies; (3 credits) Grade Method: REG/P-F. CORE Humanities (HO) Course.
Introduction to American cultural studies--past and present--by examining the concept of "self" in American autobiographical writing and the concept of "society" in accounts of various communities.

0101	Douglas Ishii MWF 9:00am - 9:50am	Seats (Total: 25) MTH 1313	
0201	Douglas Ishii MWF 10:00am - 10:50am	Seats (Total: 25) MTH 1313	
0301	Jennie Chaplin MWF 1:00pm - 1:50pm	Seats (Total: 25) HZF 0106	
0401	Darius Bost MWF 2:00pm - 2:50pm	Seats (Total: 25) HZF 0106	
0501	Tiffany King TuTh 8:00am - 9:15am	Seats (Total: 25) HZF 0101	
0601	Tiffany King TuTh 11:00am - 12:15pm	Seats (Total: 25) HZF 0101	
FC01	Heidi Temple F 10:00am - 11:15am Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) CHE 2145 ONLINE	Discussion

AMST203 **Popular Culture in America**

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Maria Vargas MWF 11:00am - 11:50am	Seats (Total: 25) HZF 0106	
FC01	Shayna Maskell F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 14) CSS 2416 ONLINE	Discussion
FC02	Christopher Perez F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 18) EGR 0110 ONLINE	Discussion

AMST204 **Film and American Culture Studies**

AMST204 Film and American Culture Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study. Class meets in the Non-print Media located in the Hornbake Library.

0101	Myron Lounsbury W 6:00pm - 9:30pm *Class meets in Hornbake room H0302.*	Seats (Total: 35) HBK H0302

AMST205 **Material Aspects of American Life**

AMST205 Material Aspects of American Life; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

0101	Andrew Nelson TuTh 12:30pm - 1:45pm	Seats (Total: 25) TLF 1101	
FC01	Kristina Nies F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 0105 ONLINE	 Discussion

AMST207 **Contemporary American Cultures**

AMST207 Contemporary American Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

FC01	Christopher Perez F 1:00pm - 2:30pm Class time/details on ELMs *Restricted to students n Freshmen Connection.*	Seats (Total: 18) PLS 1168 ONLINE	 Discussion

AMST212 **Diversity in American Culture**

AMST212 Diversity in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Exploration of the role of diversity in the shaping of American culture. Special emphasis will be placed on the multicultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Americanization."

0101	Henrike Lehnguth MWF 12:00pm - 12:50pm	Seats (Total: 25) HBK 0302J	

0102	Henrike Lehnguth MWF 1:00pm - 1:50pm	Seats (Total: 25) HBK 0302J

AMST260 **American Culture in the Information Age**

AMST260 American Culture in the Information Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: AMST260 or AMST298I. Formerly AMST298I. Examines the ways in which content and form of public information interact with the culture, families & individuals. Class meets in the Non-print Media located in the Hornbake Library.

0102	Maria Velazquez TuTh 9:30am - 10:45am	Seats (Total: 25) HBK RM-H

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST 200.

0101	Kozue Tsunoda TuTh 3:30pm - 4:45pm	Seats (Total: 40) ASY 3207

AMST328D **Perspectives on Identity and Culture; Film Images of Native Americans**

AMST328D Perspectives on Identity and Culture: Film Images of Native Americans; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH366.

0101	Gail Thakur M 6:00pm - 8:40pm *Class meets in Room H of the Non-Print Media Center.*	Seats (Total: 50) HBK RM-H

AMST328J **Perspectives on Identity and Culture; Filipino American History and Biography**

AMST328J Perspectives on Identity and Culture: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gemirald Daus Tu 5:00pm - 7:30pm	Seats (Total: 40) ASY 3207

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 *(PermReq)* **Introduction to History, Theories and Methods in American Studies; (3 credits)** Grade Method: REG.
Prerequisite: AMST201 and two additional AMST courses. Sophomore standing. For AMST majors only. Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Mary Sies MW 2:00pm - 3:15pm	Seats (Total: 20) HZF 1108
0102	Mary Sies TuTh 2:00pm - 3:15pm	Seats (Total: 20) HZF 0101

AMST386 **Experiential Learning**

AMST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Faculty mentored independent learning. Online interaction using Blackboard required.

Contact department for information to register for this course.

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418A **Cultural Themes in America; African-American Visual and Material Culture**

AMST418A Cultural Themes in America: African-American Visual and Material Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.

0101	Cheryl LaRoche	Seats (Total: 25)
	W 4:00pm - 6:40pm	HBK 0123

AMST418B **Cultural Themes in America; Digital Diversity**

AMST418B Cultural Themes in America: Digital Diversity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hour of prior coursework in AMST.

0101	Jason Farman	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	EGR 0108

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: At least three credit hours of prior coursework in American Studies.

Contact department for information to register for this course.

AMST418L **Cultural Themes in America: Asian Religions in American Culture**

AMST418L Cultural Themes in America: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credit hours of prior coursework in American Studies.

0101	John Caughey	Seats (Total: 35)
	MWF 11:00am - 11:50am	HZF 0101

AMST418N **Cultural Themes in America; Asian American Public Policy**

AMST418N Cultural Themes in America: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498M.

0101	Doua Thor	Seats (Total: 40)
	W 5:00pm - 7:30pm	TWS 1107

AMST418R **Cultural Themes in America; Identity in American Culture**

AMST418R Cultural Themes in America: Identity in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.
"Identity" faces in two directions, so to speak. It responds to the question "Who am I?"; "Who is like me?" and "To what gro ups do I belong?" etc. Readings for the course include a short novel (R. L. Stevenson's Dr. Jekyll and Mr Hyde), a historians reflections on a "p ost-ethnic" America, and a volume of essays in honor of the centennial o f the psychologist Erik Erikson.

0101	R Kelly	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AMST418U **Cultural Themes in America; Asian Americans and Model Minorities**

AMST418U Cultural Themes in America: Asian Americans and Model Minorities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498P.

0101	Larry Shinagawa	Seats (Total: 40)
	TuTh 9:30am - 10:45am	SQH 1119

AMST429C **Perspectives on Popular Culture; Horror and the Idea of Evil in American Popular Culture**

AMST429C Perspectives on Popular Culture: Horror and the Idea of Evil in American Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.

0101	Greg Metcalf	Seats (Total: 35)
	Tu 3:30pm - 6:30pm	HBK H0302

AMST429D **Perspectives on Popular Culture; Children and the Media**

AMST429D Perspectives on Popular Culture: Children and the Media; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.

0101	Michael Brody	Seats (Total: 35)
	Tu 2:00pm - 3:15pm	BPS 1236
	Th 2:00pm - 3:15pm	BPS 1236

AMST429I **Perspectives on Popular Culture; New York Film Culture**

AMST429I Perspectives on Popular Culture: New York Film Culture; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.

0101	Myron Lounsbury	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HBK H0302

AMST429J **Perspectives on Popular Culture; Social Activism and Popular Culture**

AMST429J Perspectives on Popular Culture: Social Activism and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.

0101	Sheri Parks	Seats (Total: 35)
	MW 2:00pm - 3:15pm	HZF 0101

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: AMST201, AMST340, and one additional AMST course. Senior standing. For AMST majors only. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Jeffrey McCune Jr.	Seats (Total: 20)
	MW 10:00am - 11:15am	HZF 1108

0201	Psyche Williams-Forson TuTh 11:00am - 12:15pm	Seats (Total: 20) HBK 0105

AMST498F **Special Topics in American Studies; Advanced Material Culture - Design, Craft, and Production**

AMST498F Special Topics in American Studies: Advanced Material Culture - Design, Craft, and Production; (3 credits) Grade Method: REG.
Prerequisite: AMST201.

0101	Jo Paoletti TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1121

AMST498G **Special Topics in American Studies; Latinas/os on the Silver Screen**

AMST498G Special Topics in American Studies: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG.
Also offered as USLT498A.

0101	Robert Chester Th 4:00pm - 6:40pm	Seats (Total: 35) KEY 1117

AMST498I **Special Topics in American Studies; Life History**

AMST498I Special Topics in American Studies: Life History; (3 credits) Grade Method: REG.
Prerequisite: AMST207, AMST418L, or permission of instructor.

0101	John Caughey MWF 10:00am - 10:50am	Seats (Total: 35) HZF 0101

AMST498M **Special Topics in American Studies; Latinas/os and U.S. Popular Culture**

AMST498M Special Topics in American Studies: Latinas/os and US Popular Culture; (3 credits) Grade Method: REG.
Also offered as USLT498B.

0101	Robert Chester TuTh 12:30pm - 1:45pm	Seats (Total: 35) HZF 0101

AMST498T **Special Topics in American Studies; US Latina/o Racial Formations**

AMST498T Special Topics in American Studies: US Latina/o Racial Formations; (3 credits) Grade Method: REG.
Also offered as USLT498C.

0101	Ana Perez MW 2:00pm - 3:15pm	Seats (Total: 30) JMP 2202

AMST601 **Introductory Theories and History in American Studies**

AMST601 Introductory Theories and History in American Studies; (3 credits) Grade Method: REG.
Not open to Graduate Advanced Special Students. Explores the formative literature, theories, research approaches, and history of American Studies.

0101	Nancy Struna M 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST628D **Seminar in American Studies; Feminist Cultural Criticism of Diasporic Texts**

AMST628D Seminar in American Studies: Feminist Cultural Criticism of Diasporic Texts; (3 credits) Grade Method: REG/AUD.

0101	Psyche Williams-Forson Tu 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST628V **Seminar in American Studies; Embodiment and Space in the Digital Age**

AMST628V Seminar in American Studies: Embodiment and Space in the Digital Age; (3 credits) Grade Method: REG/AUD.

0101	Jason Farman Th 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST629B **Seminar in American Studies; Black Women in United States**

AMST629B Seminar in American Studies: Black Women in United States; (3 credits) Grade Method: REG/AUD.
Also offered as HIST639B and WMST698B.

0101	Elsa Barkley Brown M 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

AMST629F **Seminar in American Studies; Deviance and Dominance in the Study of the City**

AMST629F Seminar in American Studies: Deviance and Dominance in the Study of the City; (3 credits) Grade Method: REG/AUD.

0101	Christina Hanhardt W 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST856 **Museum Research Seminar**

AMST856 Museum Research Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMST 655. Also offered as HIST 810. Credit will be granted for only one of the following: AMST 638D, AMST 856, HIST 810 or HIST 819D. Formerly AMST638D.* A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research. Also offered as ANTH856 and HIST810.

0101	Judith Freidenberg	Seats (Total: 15)
	M 2:00pm - 4:45pm	WDS 1102

AMST857 **Museum Scholarship Practicum**

AMST857 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: AMST856 and Permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Fall 2010

ANSC101 **Principles of Animal Science**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC101 Principles of Animal Science; (2 credits) Grade Method: REG/P-F/AUD. A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized. Offered in fall semester only. Offered fall only.

0101	Michael Updike MW 1:00pm - 1:50pm	Seats (Total: 225) HJP 0226	

ANSC103 **Principles of Animal Science Laboratory**

ANSC103 Principles of Animal Science Laboratory; (1 credit) Grade Method: REG/P-F/AUD.

Pre- or corequisite: ANSC101. Restricted to ANSC, AGNR(01010), ENSP(2299T), and VTMD(1299D). Other students in the College of AGNR can contact the department forpermission to enroll. Laboratory focusing on the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. Labs will include live animals. Offered in fall semester only. Students must pay a $50.00 laboratory materials fee.

0101	Michael Updike M 2:00pm - 4:00pm	Seats (Total: 25) ANS 1144	Lab
0201	Michael Updike Tu 2:00pm - 3:50pm	Seats (Total: 25) ANS 1144	Lab
0301	Michael Updike F 10:00am - 12:00pm	Seats (Total: 25) ANS 1144	Lab
0401	Michael Updike F 12:00pm - 2:00pm	Seats (Total: 25) ANS 1144	Lab

ANSC110 **Pasture Management and Hay Production**

ANSC110 Pasture Management and Hay Production; (2 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ANSC110 or INAG116.
Identification of forage species suitable for grazing and hay production for horses and other livestock. Crop production including: fertilization and nutrient management, irrigation and drought management, grazing management, weed identification and control, facility layout and design.

0101	Kristen Wilson Tu 4:00pm - 5:50pm	Seats (Total: 20) JUL 1123	

ANSC211 **Anatomy of Domestic Animals**

ANSC211 Anatomy of Domestic Animals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101, ANSC103, and BSCI105. For ANSC, ENSP (2299M), and VTMD (1299D). A systematic gross and microscopic comparative study of the anatomy of the major domestic animals. Special emphasis is placed on those systems important in animal production. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Angela Black MW 2:00pm - 2:50pm M 3:00pm - 4:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab
0102	Angela Black MW 2:00pm - 2:50pm W 3:00pm - 4:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab
0103	Angela Black MW 2:00pm - 2:50pm M 11:00am - 12:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab
0104	Angela Black MW 2:00pm - 2:50pm W 11:00am - 12:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab

ANSC220 **Livestock Management**

ANSC220 Livestock Management; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103.* Management of meat animals including beef, sheep, and swine. This course will emphasize obtaining optimal efficiency of production through the integration of leading edge breeding, feeding, management, and marketing practices.

0101	Michael Updike	Seats (Total: 60)	
	TuTh 11:00am - 12:15pm	ANS 0408	

ANSC233 **Equine Behavior**

ANSC233 *(PermReq)* **Equine Behavior; (2 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101, ANSC103, and ANSC232. Credit will be granted for only one of the following: ANSC489B or ANSC233. Formerly ANSC489B.* Both normal and anomalous behavior of horses will be covered. Emphasis will be given to techniques based on knowledge of behavior that are known to be safe and effective in handling horses. Students must pay a $50.00 laboratory materials fee.

0101	Erin Pittman	Seats (Total: 20)	
	Tu 2:00pm - 2:50pm	JUL 1123	
	Th 2:00pm - 3:50pm	JUL 1123	Lab

ANSC252 **Introduction to the Diseases of Wildlife**

ANSC252 Introduction to the Diseases of Wildlife; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 or equivalent or permission of department. The principal diseases of North American wildlife will be briefly considered. For each disease, specific attention will be given to the following: signs evidenced by the affected animal or bird, causative agent, means of transmission and effects of the disease on the population of the species involved. Offered fall only.

0101	Cindy Driscoll	Seats (Total: 80)	
	M 4:00pm - 5:50pm	ANS 0408	
	M 6:00pm - 6:50pm	ANS 0408	Discussion

ANSC255 **Introduction to Aquaculture**

ANSC255 Introduction to Aquaculture; (3 credits) Grade Method: REG. *Prerequisite: ANSC101 and ANSC103; or an introductory biology course.* Introduces the art and science of rearing aquatic animals and the essential principles of aquaculture. Students receive hands-on training in the methods required for successful husbandry and management of aquatic animals in their water environment. Students must pay a $50.00 laboratory materials fee.

0101	L Woods	Seats (Total: 16)	
	M 12:00pm - 2:00pm	ANS 0412	
	F 12:00pm - 2:00pm	ANS 0412	Lab

ANSC314 **Comparative Animal Nutrition**

ANSC314 Comparative Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ANSC101, ANSC103, and (CHEM104 or CHEM231).* The fundamental role and implications of dietary preference, gastrointestinal physiology and nutrients in animal nutrition. Biochemical roles of nutrients in metabolism, digestion, absorption and assimilation as it relates to various life processes. Offered fall only.

0101	Brian Bequette	Seats (Total: 88)	
	MWF 9:00am - 9:50am	ANS 0408	

ANSC330 **Equine Science**

ANSC330 Equine Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC232 or permission of instructor. Recommended: ANSC211 and ANSC212. Credit will be granted for only one of the following: ANSC230 or ANSC330. Formerly ANSC230.* Scientific principles of horse behavior, anatomy, physiology, locomotion, nutrition, reproduction, growth, health and disease as applied to horses are emphasized. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk	Seats (Total: 20)	
	MW 1:00pm - 1:50pm	ANS 0402	
	W 10:00am - 12:00pm	ANS 1144	Lab

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC446 **Physiology of Mammalian Reproduction**

ANSC446 Physiology of Mammalian Reproduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI440 or ANSC212. Anatomy and physiology of reproductive processes in domesticated and wild mammals.

0101	Sarah Balcom	Seats (Total: 80)	
	TuTh 2:00pm - 3:15pm	ANS 0408	

ANSC447 **Physiology of Mammalian Reproduction Laboratory**

ANSC447 *(PermReq)* **Physiology of Mammalian Reproduction Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: ANSC446. Gross and micro-anatomy, artificial insemination, estrous cycle synchronization and invitro-fertilization procedures and analytical techniques useful in animal management and reproduction. Students must pay a $50.00 laboratory materials fee.

0101	Sarah Balcom	Seats (Total: 20)	
	W 3:00pm - 5:00pm	ANS 1144	Lab

ANSC455 **Applied Animal Behavior**

ANSC455 Applied Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ANSC101 and ANSC103; or BSCI106.* Principles of animal behavior applied to production systems in animal agriculture. Offered fall only.

0101	Janet Halperin	Seats (Total: 45)	
	MF 11:00am - 11:50am	ANS 0408	
	W 11:00am - 12:50pm	ANS 0408	Lab

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC489I **Current Topics in Animal Science; Comparative Vertebrate Immunology**

ANSC489I Current Topics in Animal Science: Comparative Vertebrate Immunology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212 or BSCI201 or BSCI440.

0101	Zhengguo Xiao	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ANS 0402

ANSC489T **Current Topics in Animal Science; Organismal Development: Perspectives from the Primary Scientific Literature**

ANSC489T Current Topics in Animal Science: Organismal Development: Perspectives from the Primary Scientific Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lisa Taneyhill	Seats (Total: 15)
	TuTh 9:00am - 10:15am	ANS 0402

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688C **Special Topics; Cognitive Ethology**

ANSC688C Special Topics: Cognitive Ethology; (2 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688E **Special Topics; Equine Nutrition**

ANSC688E Special Topics: Equine Nutrition; (1 credit) Grade Method: REG/AUD.

0101	Amy Burk	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688T **Special Topics; Organismal Development: Perspectives from the Primary Scientific Literature**

ANSC688T Special Topics: Organismal Development: Perspectives from the Primary Scientific Literature; (3 credits) Grade Method: REG/AUD.

0101	Lisa Taneyhill	Seats (Total: 5)
	TuTh 9:00am - 10:15am	ANS 0402

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann	Seats (Total: 25)
	Tu 4:00pm - 4:50pm	ANS 0467

ANSC698D **Seminar; Developing Presentation Skills**

ANSC698D Seminar: Developing Presentation Skills; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann	Seats (Total: 12)
	Tu 4:00pm - 4:50pm	ANS 0467

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Fall 2010

ANTH220 **Introduction to Biological Anthropology**

ANTH220 Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups. Students must pay a $30 laboratory materials fee.

0101	Teresa Leslie	Seats (Total: 18)	
	TuTh 11:00am - 12:15pm	CHM 1402	
	M 8:00am - 10:00am	WDS 0124C	Lab

0102	Teresa Leslie TuTh 11:00am - 12:15pm M 11:00am - 1:00pm	Seats (Total: 18) CHM 1402 WDS 0124C	Lab
0103	Teresa Leslie TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm	Seats (Total: 18) CHM 1402 WDS 0124C	Lab
0104	Teresa Leslie TuTh 11:00am - 12:15pm W 8:00am - 10:00am	Seats (Total: 18) CHM 1402 WDS 0124C	Lab
0105	Teresa Leslie TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 18) CHM 1402 WDS 0124C	Lab
0106	Teresa Leslie TuTh 11:00am - 12:15pm W 2:00pm - 4:00pm	Seats (Total: 18) CHM 1402 WDS 0124C	Lab
FC01	Teresa Leslie TuTh 4:30pm - 5:45pm F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1140 WDS 0124C	Lab
FC02	Teresa Leslie TuTh 4:30pm - 5:45pm F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1140 WDS 0124C	Lab
FC03	Teresa Leslie TuTh 4:30pm - 5:45pm F 2:30pm - 3:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1140 WDS 0124C	Lab

ANTH220H **Introduction to Biological Anthropology**

ANTH220H Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. This section is open to Honors College students only.

0101	Katherine Russell, Teresa Leslie TuTh 11:00am - 12:15pm Th 2:00pm - 4:00pm	Seats (Total: 12) CHM 1402 WDS 0124C	 Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0201	Mark Leone MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 60) TYD 0130 HBK 0302J	 Discussion
0202	Mark Leone MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 60) TYD 0130 HBK 0302J	 Discussion
0301	Adam Fracchia MWF 2:00pm - 2:50pm	Seats (Total: 40) WDS 0104	
FC01	Matthew Palus TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 34) PLS 1140	

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	William Stuart MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 WDS 0104	 Discussion

0102	William Stuart MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 WDS 0104	Discussion
0103	William Stuart MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 WDS 0104	Discussion
0104	William Stuart MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) MMH 1400 HZF 0106	Discussion
0105	William Stuart MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) MMH 1400 HZF 0106	Discussion
0201	Melissa Stevens TuTh 3:00pm - 4:15pm	Seats (Total: 40) EDU 2119	
FC01	William Stuart TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 29) WDS 1114	

ANTH298G **Cultures of the World**

ANTH298G Cultures of the World; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

FC01	Gail Thakur TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) WDS 0104	

ANTH320 **Method and Theory in Biological Anthropology**

ANTH320 Method and Theory in Biological Anthropology; (3 credits) Grade Method: REG/P-F.
Prerequisite: ANTH220 or permission of department. For all Anthropology majors with a focus in biological anthropology or permission of department. Credit will be granted for only one of the following: {ANTH320 and ANTH425} or ANTH625. Theoretical and methodological overview of biological anthropology, including evolutionary anthropology, anthropological genetics, physiological anthropology, human biology, primatology, paleoanthropology, human biodiversity, and contemporary selective challenges to modern humanity. Emphasis on core concepts and their research applications.

0101	Teresa Leslie	Seats (Total: 43)
	TuTh 9:30am - 10:45am	WDS 0104

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH360 **Method and Theory in Sociocultural Anthropology**

ANTH360 Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. For all Anthropology majors with a focus in cultural anthropology or permission of department. Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

0101	William Stuart	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TYD 1118

ANTH364 **The Anthropology of Religion**

ANTH364 The Anthropology of Religion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. Comparative study of religion in social, cultural, political, and economic context. Combines the history of schools of interpretation with a survey of theoretical alternatives and a focus on selected case studies. Also offered as ANTH688R and RELS384. Credit will be granted for only one of the following: ANTH364, ANTH688R, or RELS384.

0101	William Stuart	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH366 **Film Images of Native Americans**

ANTH366 Film Images of Native Americans; (3 credits) Grade Method: REG/AUD. An examination of how indigenous people of the New World have been presented to film audiences of the world. Development of an ethnographic understanding of Native Americans via the use of videos, films, and classroom discussion. An examination of how indigenous people of the New World have been represented. Development of an ethnoghraphic understanding of Native Americans via the use of film, photography, paintings and other media.

0101	Gail Thakur	Seats (Total: 50)
	M 6:00pm - 8:40pm	HBK RM-H
	Class meets in Room H of the Non-Print Media Center.	

ANTH368I **Regional Ethnography; Peacebuilding, Post-Conflict Reconstruction, and International Development**

ANTH368I *(PermReq)* **Regional Ethnography: Peacebuilding, Post-Conflict Reconstruction, and International Development; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as GVPT354. Click here for more information.

0101	John Grayzel	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 1102

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Recommended: completion of advanced courses in relevant subfield of anthropology. Junior standing. For ANTH majors only.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398K **Independent Study; Archaeology of Roman Identity**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398N **Independent Study; Career Development for Anthropology Majors**

ANTH398N Independent Study: Career Development for Anthropology Majors; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Judith Freidenberg, Erik Hanson Tu 11:00am - 12:15pm	Seats (Total: 15) WDS 1102

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1 credit)** Grade Method: REG/P-F/AUD.
Required course for ANTH students undertaking capstone research and/or thesis (must be taken concurrently with ANTH 476, ANTH 477, ANTH 486, ANTH 487).

0101	William Stuart M 12:00pm - 12:50pm	Seats (Total: 15) WDS 1127

ANTH398T **Independent Study; Proseminar-Capstone Thesis Writing**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis Writing; (1 credit)** Grade Method: REG/P-F/AUD.

0101	William Stuart M 12:00pm - 12:50pm	Seats (Total: 15) WDS 1127

ANTH428Z **Special Topics in Bioanthropology; Anthropology of Disease**

ANTH428Z Special Topics in Bioanthropology: Anthropology of Disease; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH220. Also offered as ANTH689Z. Click here for more course information.

0101	Teresa Leslie TuTh 12:30pm - 1:45pm	Seats (Total: 25) WDS 1102

ANTH429B **Advanced Special Topics in Biological Anthropology; Anthropology in Forensic Science**

ANTH429B Advanced Special Topics in Biological Anthropology: Anthropology in Forensic Science; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

SG91	Marilyn London Tu 4:00pm - 6:45pm *This section meets at the Shady Grove campus.*	Seats (Total: 35) BLD2 2042

ANTH440 **Theory and Practice of Historical Archaeology**

ANTH440 Theory and Practice of Historical Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH640. Credit will be granted for only one of the following: ANTH440 or ANTH640. Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories.

0101	Paul Shackel M 3:00pm - 5:40pm	Seats (Total: 15) WDS 1114

ANTH448A **Special Topics in Archaeology; Archaeology of Diaspora**

ANTH448A Special Topics in Archaeology: Archaeology of Diaspora; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Stephen Brighton TuTh 3:30pm - 4:45pm	Seats (Total: 25) KEY 0125

ANTH448B **Special Topics in Archaeology; Archaeological Law and Preservation**

ANTH448B Special Topics in Archaeology: Archaeological Law and Preservation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH689B. Click here for more information.

0101	Donald Craib Tu 6:00pm - 8:40pm	Seats (Total: 10) WDS 1127

ANTH448Q **Special Topics in Archaeology; The Archaeology of Modern Cities**

ANTH448Q Special Topics in Archaeology: The Archaeology of Modern Cities; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH689Q. Click here for more course information.

0101	Stephen Brighton TuTh 12:30pm - 1:45pm	Seats (Total: 25) TYD 0111

ANTH450 **Theory and Practice of Environmental Anthropology**

ANTH450 Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/AUD.
Junior standing. Also offered as ANTH650. Credit will be granted for only one of the following: ANTH450 or ANTH650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach. Also offered as ANTH650.

0101	Michael Paolisso TuTh 12:30pm - 1:45pm	Seats (Total: 12) WDS 1114

ANTH468A **Subversive Culture**

ANTH468A Subversive Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Laurie Frederik Meer MW 11:30am - 12:45pm	Seats (Total: 10) PAC 1815

ANTH468B **Special Topics in Cultural Anthropology; Urban Ethnography**

ANTH468B Special Topics in Cultural Anthropology: Urban Ethnography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. Also offered as ANTH617. Click here for more course information.

0101	Tony Whitehead Th 2:00pm - 5:00pm	Seats (Total: 14) JMZ 1122

ANTH468D **Special Topics in Cultural Anthropology; The Amazon through Film**

ANTH468D Special Topics in Cultural Anthropology: The Amazon through Film; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Janet Chernela M 3:00pm - 5:45pm	Seats (Total: 30) HBK 0302H

ANTH469N **Advanced Special Topics in Cultural Anthropology; Carnegie Research Seminar**

ANTH469N *(PermReq)* **Advanced Special Topics in Cultural Anthropology: Carnegie Research Seminar; (3 credits)** Grade Method: REG.
Click here for more course information.

0101	Deborah Nelson M 6:00pm - 8:45pm	Seats (Total: 2) KNI 3202

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
For ANTH majors only. Credit will be granted for only one of the following: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: ANTH486; permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH487 or ANTH477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH498B **Advanced Field Training in Ethnography; Ethnographic Evaluation**

ANTH498B Advanced Field Training in Ethnography: Ethnographic Evaluation; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Tony Whitehead Tu 2:00pm - 4:45pm	Seats (Total: 20) MMH 3418

ANTH498C **Advanced Field Training in Ethnography; Service Learning for Applied Urban Ethnography**

ANTH498C Advanced Field Training in Ethnography: Service Learning for Applied Urban Ethnography; (1 credit) Grade Method: REG/P-F/AUD.
Requires 4 hours per week of off-campus service learning. Can only be taken concurrently with ANTH468B or ANTH617.

0101	Tony Whitehead Contact instructor or department for details.	Seats (Total: 20)

ANTH498E **Advanced Field Training in Ethnography; Service Learning for Ethnographic Evaluation**

ANTH498E Advanced Field Training in Ethnography: Service Learning for Ethnographic Evaluation; (1 credit) Grade Method: REG/P-F/AUD.
Requires 4 hours per week of off-campus service learning. Can only be taken concurrently with ANTH498B or ANTH689E.

0101	Tony Whitehead Contact instructor or department for details.	Seats (Total: 20)

ANTH498N **Advanced Field Training in Ethnography; Ethnology of the Immigrant Life**

ANTH498N Advanced Field Training in Ethnography: Ethnology of the Immigrant Life; (4 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH689N. Click here for more course information.

0101	Judith Freidenberg W 6:00pm - 8:40pm Contact instructor or department for details.	Seats (Total: 10) WDS 0104

ANTH499 **Fieldwork in Biological Anthropology**
Contact department for information to register for this course.

ANTH601 **Applied Anthropology**

ANTH601 Applied Anthropology; (3 credits) Grade Method: REG.
An overview of the history and current practices of applied anthropology. This includes relationships between applied anthropology and other major subfields of the profession; the interdisciplinary and public context of applied anthropology; and problems of significance, utility, and ethics associated with applied anthropology. Offered fall only.

0101	Erve Chambers	Seats (Total: 25)
	M 6:00pm - 8:40pm	WDS 1114

ANTH606 **Qualitative Methods in Applied Anthropology**

ANTH606 Qualitative Methods in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An introduction to the use of ethnography and qualitative methods in applied and policy contexts. Qualitative methods discussed include informal and systematic approaches. Students undertake fieldwork in local settings to practice the qualitative methods and to develop analysis and report writing skills. Offered fall only.

0101	Michael Paolisso	Seats (Total: 25)
	W 6:00pm - 8:40pm	WDS 1114

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood. Also offered as ANTH468B. Click here for more course information.

0101	Tony Whitehead	Seats (Total: 14)
	Th 2:00pm - 5:00pm	JMZ 1122

ANTH640 **Advanced Studies in Theory and Practice of Historical Archaeology**

ANTH640 Advanced Studies in Theory and Practice of Historical Archaeology; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH440. Credit will be granted for only one of the following: ANTH440 or ANTH640. Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories.

0101	Paul Shackel	Seats (Total: 15)
	M 3:00pm - 5:40pm	WDS 1114

ANTH646 **Advanced Studies in Chesapeake Archaeology**
Contact department for information to register for this course.

ANTH650 **Advanced Studies in Theory and Practice of Environmental Anthropology**

ANTH650 Advanced Studies in Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 450. Credit will be granted for only one of the following: ANTH 450 or ANTH 650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach. Also offered as ANTH450.

0101	Michael Paolisso	Seats (Total: 7)
	TuTh 12:30pm - 1:45pm	WDS 1114

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688N **Current Developments in Anthropology; Carnegie Research Seminar**

ANTH688N Current Developments in Anthropology: Carnegie Research Seminar; (3 credits) Grade Method: REG.
Also offered as JOUR698N. Click here for more course information.

0101	Deborah Nelson M 6:00pm - 8:45pm	Seats (Total: 8) KNI 3202

ANTH688R **Current Developments in Anthropology; Anthropology of Religion**

ANTH688R Current Developments in Anthropology: Anthropology of Religion; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH364 and RELS384. Credit will be granted for only one of the following: ANTH364, ANTH688R, or RELS384.

0101	William Stuart TuTh 9:30am - 10:45am	Seats (Total: 10) WDS 1114

ANTH688T **Current Developments in Anthropology; Method and Theory in Sociocultural Anthropology**

ANTH688T Current Developments in Anthropology: Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/AUD.

0101	William Stuart TuTh 12:30pm - 1:45pm	Seats (Total: 10) TYD 1118

ANTH688Z **Current Developments in Anthropology; Archaeology of the Diaspora**

ANTH688Z Current Developments in Anthropology: Archaeology of the Diaspora; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Stephen Brighton TuTh 3:30pm - 4:45pm	Seats (Total: 10) KEY 0125

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689B **Special Problems in Anthropology; Archaeological Law and Preservation**

ANTH689B Special Problems in Anthropology: Archaeological Law and Preservation; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH448B. Spec Click here for more information.

0101	Donald Craib Tu 6:00pm - 8:40pm	Seats (Total: 10) WDS 1127

ANTH689E **Special Problems in Anthropology; Ethnographic Evaluation**

ANTH689E Special Problems in Anthropology: Ethnographic Evaluation; (3 credits) Grade Method: REG/S-F.
Click here for more course information.

0101	Tony Whitehead Th 2:00pm - 4:45pm	Seats (Total: 10) TYD 2110

ANTH689N **Special Problems in Anthropology; Ethnology of the Immigrant Life**

ANTH689N Special Problems in Anthropology: Ethnology of the Immigrant Life; (4 credits) Grade Method: REG/S-F.
Also offered as ANTH498N. Click here for more course information.

0101	Judith Freidenberg W 6:00pm - 8:40pm Contact instructor or department for details.	Seats (Total: 5) WDS 0104

ANTH689Q **Special Problems in Anthropology; Modern World Archaeology of Cities**

ANTH689Q Special Problems in Anthropology: Modern World Archaeology of Cities; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH448Q. Click here for more course information.

0101	Stephen Brighton TuTh 12:30pm - 1:45pm	Seats (Total: 10) TYD 0111

ANTH689Z **Special Problems in Anthropology; Anthropology of Disease**

ANTH689Z Special Problems in Anthropology: Anthropology of Disease; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH428Z. Click here for more course information.

0101	Teresa Leslie	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	WDS 1102

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH760 **Development of Social Cultural Theory**

ANTH760 Development of Social Cultural Theory; (3 credits) Grade Method: REG/AUD.
A broad perspective of the history of social cultural theory in anthropology and the critical skills needed for understanding the subdiscipline is provided. An overview of the history of theorizing about society and culture will help outline the past, present, and future of anthropology and its relations with other scientific and humanistic disciplines.

0101	Janet Chernela	Seats (Total: 25)
	Th 6:00pm - 8:40pm	WDS 1114

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH856 **Museum Research Seminar**

ANTH856 Museum Research Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMST 655, ANTH 655, or HIST 610. Also offered as AMST 856 or HIST 810. Credit will be granted for only one of the following: AMST 638D, AMST 856, HIST 810 or HIST 819D.* A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research. Also offered as AMST856 and HIST810.

0101	Judith Freidenberg M 2:00pm - 4:45pm	Seats (Total: 15) WDS 1102

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.

1002	Erve Chambers Contact instructor or department for details.	Seats (Total: 10)
1003	William Stuart Contact instructor or department for details.	Seats (Total: 10)
1004	Tony Whitehead Contact instructor or department for details.	Seats (Total: 10)
1005	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 10)
1006	Janet Chernela Contact instructor or department for details.	Seats (Total: 10)
1007	Michael Paolisso Contact instructor or department for details.	Seats (Total: 10)
2001	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 10)

2002	Teresa Leslie Contact instructor or department for details.	Seats (Total: 10)
3001	Mark Leone Contact instructor or department for details.	Seats (Total: 10)
3002	Paul Shackel Contact instructor or department for details.	Seats (Total: 10)
3003	Stephen Brighton Contact instructor or department for details.	Seats (Total: 10)

ANTH899 **Doctoral Dissertation Research**

ANTH899 Doctoral Dissertation Research; (6 credits) Grade Method: REG/S-F.

1002	Erve Chambers Contact instructor or department for details.	Seats (Total: 10)
1003	William Stuart Contact instructor or department for details.	Seats (Total: 10)
1004	Tony Whitehead Contact instructor or department for details.	Seats (Total: 10)
1005	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 10)
1006	Janet Chernela Contact instructor or department for details.	Seats (Total: 10)
1007	Michael Paolisso Contact instructor or department for details.	Seats (Total: 10)
2001	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 10)
2002	Teresa Leslie Contact instructor or department for details.	Seats (Total: 10)
3001	Mark Leone Contact instructor or department for details.	Seats (Total: 10)

3002	Paul Shackel Contact instructor or department for details.	Seats (Total: 10)	
3003	Stephen Brighton Contact instructor or department for details.	Seats (Total: 10)	

AOSC Atmospheric and Oceanic Science Fall 2010

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC201. Prerequisites: MATH110 or MATH115. Recommended as a corequisite: AOSC201/METO201. Formerly METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Robert Hudson TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 25) CSS 2324 CSS 2428	Discussion
0102	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 25) CSS 2324 CSS 2428	Discussion
0103	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 25) CSS 2324 CSS 2428	Discussion
0104	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 25) CSS 2324 CHM 1228	Discussion

0201	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 35) EGR 1202 BPS 1236	 Discussion
0202	Robert Hudson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 35) EGR 1202 BPS 1236	 Discussion
0203	Robert Hudson TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 35) EGR 1202 CSS 2428	 Discussion
0204	Robert Hudson TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 35) EGR 1202 CSS 2428	 Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC200. Corequisite: AOSC200/METO200. Formerly METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling. Students must pay a $50.00 laboratory materials fee.

0101	Heather Arkinson, Robert Hudson Tu 2:30pm - 4:20pm	Seats (Total: 18) CSS 3426	 Lab
0102	Robert Hudson, Jordan Foley W 8:00am - 10:00am	Seats (Total: 18) CSS 3426	 Lab
0103	Clare Flynn, Robert Hudson F 8:00am - 10:00am	Seats (Total: 18) CSS 3426	 Lab
0104	Robert Hudson, Benjamin Johnston M 8:00am - 10:00am	Seats (Total: 18) CSS 3426	 Lab

AOSC375 **Introduction to the Blue Ocean**

AOSC375 Introduction to the Blue Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140. Recommended: MATH141, PHYS161, or PHYS171. Also offered as GEOL375. Credit will be granted for only one of the following: GEOL 375 or METO 375. Introduction to physical, chemical, and biological properties of the ocean. Role of the ocean in climate as a component of the Earth system. El Nino and the ocean, imipact of global warming on the ocean and marine habitats including fisheries.

0101	Bala Mathukumalli, James Carton	Seats (Total: 20)
	MW 10:00am - 11:30am	CSS 0201

AOSC400 **The Atmosphere**

AOSC400 The Atmosphere; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, PHYS161, PHYS171 or permission of department. Formerly METO400. The atmosphere and its weather and climate systems. Composition of the atmosphere, energy sources and sinks, winds, storms and global circulation. The application of basic classical physics, chemistry and mathematics to the study of the atmosphere.

0101	Rachel Pinker	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CSS 2416

AOSC431 **Atmospheric Physics and Thermodynamics**

AOSC431 Atmospheric Physics and Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 or MATH461; PHYS270 and PHYS271 (Formerly: PHYS263); CHEM131 and CHEM132 (Formerly: CHEM103). Recommended: MATH246. Credit will be granted for only one of the following: AOSC431 or METO431. Formerly METO431. The general character of the atmosphere and its weather and climate systems, phenomena and distributions of variables (winds, temperature, pressure and moisture). The formal framework of the science; the application of basic classical physics, chemistry, mathematics and computational sciences to the atmosphere.

0101	Ning Zeng	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSS 2416

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC600 **Synoptic Meteorology I**

AOSC600 Synoptic Meteorology I; (3 credits) Grade Method: REG/AUD. *Prerequisites: METO 610 and METO 620. Formerly METO600.* Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology.

0101	Vernon Kousky	Seats (Total: 15)
	TuTh 9:00am - 10:15am	CSS 3425

AOSC610 **Dynamics of the Atmosphere and Ocean I**

AOSC610 Dynamics of the Atmosphere and Ocean I; (3 credits) Grade Method: REG/AUD.
Pre- or corequisite: MATH 462 or equivalent PDE (partial differential equations) course. Formerly METO610. Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Circulation and vorticity, geostrophic motion and the gradient wind balance. Turbulence and Ekman Layers.

0101	Da-Lin Zhang	Seats (Total: 30)
	MF 9:00am - 9:50am	CSS 2428
	W 9:00am - 9:50am	CSS 2428

AOSC614 **Atmospheric Modeling, Data Assimilation and Predictability**

AOSC614 Atmospheric Modeling, Data Assimilation and Predictability; (3 credits) Grade Method: REG.
Prerequisite: METO 610 or permission of instructor. Recommended: METO 611. Formerly METO614. Solid foundation for atmospheric and oceanic modeling and numerical weather prediction: numerical methods for partial differential equations, an introduction to physical parameterizations, modern data assimilation, and predictability.

0101	Eugenia Kalnay	Seats (Total: 20)
	W 10:00am - 12:30pm	CSS 2416

AOSC620 **Physics and Chemistry of the Atmosphere I**

AOSC620 Physics and Chemistry of the Atmosphere I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 461 or equivalent Scientists Linear Algebra course. Formerly METO620. Air parcel thermodynamics and stability; constituent thermodynamics and chemical kinetics. Cloud and aerosol physics and precipitation processes.

0101	Russell Dickerson	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC652 **Analysis Methods in Atmospheric and Oceanic Science**

AOSC652 Analysis Methods in Atmospheric and Oceanic Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH241 and PHYS141; or equivalent. Recommended: AMSC/CMSC/MAPL460 or AMSC/CMSC660. A variety of the analysis methods used by atmospheric and oceanic scientists will be applied to observational data sets such as Vostok ice core record, temperature trends, and satellite measurements of ozone,sea ice, ect in a hands-on, computer laboratory setting. Students will be exposed to Fortran, IDL, and Matlab as well as modern file formats such as HDF and netCDF. No prior programming experience required.

0101	Ross Salawitch	Seats (Total: 18)
	MWF 12:45pm - 1:50pm	CSS 3426

AOSC658B **Special Topics in Meteorology; Decadal Survey of Earth Science**

AOSC658B Special Topics in Meteorology: Decadal Survey of Earth Science; (1-3 credits) Grade Method: REG/AUD.

0101	Antonio Busalacchi	Seats (Total: 7)
	Contact instructor or department for details.	

AOSC658N **Special Topics in Meteorology; North American Hydroclimate**

AOSC658N Special Topics in Meteorology: North American Hydroclimate; (1-3 credits) Grade Method: REG/AUD.

0101	Sumant Nigam	Seats (Total: 20)
	Tu 10:30am - 11:00am	CSS 3425

AOSC670 **Physical Oceanography**

AOSC670 Physical Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as GEOL670. Credit will be granted for only one of the following: GEOL670 or AOSC670. Formerly METO670.
Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, gochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	James Carton	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSS 2416

AOSC680 **Introduction to Earth System Science**

AOSC680 Introduction to Earth System Science; (3 credits) Grade Method: REG/AUD.
An introduction to the study of the earth as a system: atmosphere, oceans, land, cryosphere, solid earth, and humans. Cylcing of materials and energy in the earth system: the energy cycle, the hydrologic cycle, the carbon cycle, the nitrogen cycle. Climate processes and variability:land-atmosphere, ocean-atmosphere, biosphere-climate, and human interactions, short- and long-term variability in climate.

0101	Antonio Busalacchi	Seats (Total: 20)
	W 1:00pm - 3:30pm	Location: TBA
	Course meets at the M-Square Office Building Suite 4001, room 4046.	

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

Contact department for information to register for this course.

AOSC818 **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

AOSC818 Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research; (1 credit) Grade Method: S-F.

0101	Kayo Ide	Seats (Total: 20)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Fall 2010

ARAB104 **Elementary Modern Standard Arabic I-II**

ARAB104 Elementary Modern Standard Arabic I-II; (6 credits) Grade Method: REG/P-F/AUD.

Not open to fluent/native speakers of Arabic. An intensive course focusing on developing functional proficiency in the standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness. Not open to fluent/native speakers of Arabic. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	sahar jendi MWF 10:00am - 11:50am	Seats (Total: 15) SQH 1105
0201	Meryem Cherrouk MWF 10:00am - 11:50am	Seats (Total: 15) SQH 1123
0301	Dina El-Hefnawy MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 2119
0401	Meryem Cherrouk MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 2121
0501	Dina El-Hefnawy MWF 10:00am - 11:50am	Seats (Total: 15) SQH 1111
0601	sahar jendi MWF 2:00pm - 3:50pm *This section requires departmental permission.*	Seats (Total: 15) SQH 1123

ARAB106 **Elementary Egyptian Colloquial Arabic I**

ARAB106 Elementary Egyptian Colloquial Arabic I; (3 credits) Grade Method: REG/P-F/AUD.

Not open to fluent/native speakers of Arabic. Basic knowledge of Arabic script required. Can be taken concurrently with an MSA course. Introduction to the widely spread spoken variety of Egyptian Arabic, covering the basic range of communicative and cultural situations where Modern Standard Arabic is not used. Emphasis is on developing the learners' listening and speaking skills in Egyptian Arabic, since colloquial Arabic dialects are mainly used in speech. Not open to fluent/native speakers of Arabic.

0101	Dina El-Hefnawy TuTh 9:30am - 10:45am	Seats (Total: 15) SQH 1123
FLP1	Lutf Alkebsi Th 9:30am - 10:45am Tu 9:30am - 10:45am *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) JMZ 1122 JMZ 2123
FLP2	Lutf Alkebsi TuTh 11:00am - 12:15pm *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) JMZ 1211

ARAB204 **Intermediate Modern Standard Arabic I**

ARAB204 Intermediate Modern Standard Arabic I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB105. Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA. Not open to fluent/native speakers of Arabic.

0101	Lutf Alkebsi MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 1111
0201	sahar jendi MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 1101
FLP1	Inas Hassan MWF 12:00pm - 1:50pm *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) SQH 1123
FLP2	Lutf Alkebsi MWF 10:00am - 11:50am *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) SQH 2121

ARAB206 **Elementary Egyptian Colloquial Arabic III**

ARAB206 Elementary Egyptian Colloquial Arabic III; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB107 or permission of department. Develops listening and speaking skills in Egyptian Arabic. Covers family, school, shopping, and social interaction. Some reading in Arabic. Not open to fluent/native speakers of Arabic.

0101	Dina El-Hefnawy TuTh 11:00am - 12:15pm	Seats (Total: 15) SQH 2121	

ARAB207 **Elementary Egyptian Colloquial Arabic IV**

ARAB207 Elementary Egyptian Colloquial Arabic IV; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB206 or equivalent. Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic. Not open to fluent/native speakers of Arabic.

FLP1	Inas Hassan TuTh 11:00am - 12:15pm *This section is Restricted to students in the Arabic Flagship Program.*	Seats (Total: 15) SQH 1101	

ARAB211 **Elementary Levantine Arabic IV**

ARAB211 Elementary Levantine Arabic IV; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB210 or permission of department. Emphasis on developing listening and speaking skills in Levantine Arabic. Covers conversational needs in everyday situations such as introductions, at hotels, at the doctor's office, at social get-togethers, etc. Some reading in Arabic.

PC01	Alaa Al Laham W 8:30am - 9:45am Th 2:30pm - 3:45pm M 2:30pm - 3:30pm	Seats (Total: 10) SQH 2112 SQH 2112 SQH 2112	 Lab
PC02	Alaa Al Laham W 8:30am - 9:45am Th 2:30pm - 3:45pm M 2:30pm - 3:30pm	Seats (Total: 10) SQH 2107 SQH 2107 SQH 2112	 Lab

PC03	Fatima Almutawakel W 1:00pm - 2:15pm F 2:15pm - 3:30pm Tu 2:30pm - 3:30pm	Seats (Total: 10) SQH 2112 SQH 2112 SQH 2107	 Lab
PC04	Fatima Almutawakel W 1:00pm - 2:15pm F 2:15pm - 3:30pm Tu 2:30pm - 3:30pm	Seats (Total: 10) SQH 2107 SQH 2107 SQH 2107	 Lab

ARAB304 **Advanced Modern Standard Arabic I**

ARAB304 Advanced Modern Standard Arabic I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB205 or permission of department. Not open to students who have completed ARAB301. Formerly ARAB301. Advanced grammar, reading, writing, speaking in Arabic; study of contemporary Arabic society, politics, and culture. Not open to fluent/native speakers of Arabic.

0101	Sayed Elsisi MW 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1226

ARAB305 **Advanced Modern Standard Arabic II**

ARAB305 Advanced Modern Standard Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB304 or equivalent. Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World. Not open to fluent/native speakers of Arabic.

FLP1	Inas Hassan TuTh 12:30pm - 1:45pm *This section is Restricted to students in the Arabic Flagship Program.*	Seats (Total: 15) SQH 1123

ARAB331 **Listening Strategies in Arabic II**

ARAB331 Listening Strategies in Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB330 or equivalent. Further training in recognizing specific features of varieties of spoken Arabic in range of contexts. Some reading in Arabic.

PC01	Basem Elzaawily M 10:15am - 11:45am Th 8:30am - 10:00am	Seats (Total: 10) SQH 2112 SQH 2112
PC02	Basem Elzaawily Tu 8:30am - 10:00am F 8:30am - 10:00am	Seats (Total: 10) SQH 2112 SQH 2112
PC03	Basem Elzaawily M 12:45pm - 2:15pm Th 10:15am - 11:45am	Seats (Total: 10) SQH 2112 SQH 2112

ARAB499W **Special Topics in Arabic Studies; Narrating War Zones: Cinematic and Literary Representations of Wars in Iraq and Chechnya**

ARAB499W Special Topics in Arabic Studies: Narrating War Zones: Cinematic and Literary Representations of Wars in Iraq and Chechnya; (3 credits) Grade Method: REG/P-F/AUD.
Cultural representations of wars in Iraq and Chechnya through comparativ e analysis of Arab, American and Russian sources, including motion pictures, documentaries, TV, and literary production. In English.

0101	Valerie Anishchenkova Tu 3:00pm - 6:00pm	Seats (Total: 30) JMZ 0208

ARAB603 **Advanced Arabic into English Translation**

ARAB603 Advanced Arabic into English Translation; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Practicum in translation from Arabic into English. Study of interdependence of language, context, and culture.

PC01	Alaa Elgibali M 8:30am - 10:00am F 12:30pm - 2:00pm	Seats (Total: 10) SQH 2111 SQH 2111

PC02	Alaa Elgibali M 12:45pm - 2:15pm Th 12:45pm - 2:15pm	Seats (Total: 10) SQH 2111 SQH 2111	
PC03	Alaa Elgibali M 10:15am - 11:45am F 10:15am - 11:45am	Seats (Total: 10) SQH 2111 SQH 2111	

ARAB610 **Islamic Culture**
Contact department for information to register for this course.

ARAB628 **Special Topics in Arabic Studies; Arabic Short Story and Writing Strategies**

ARAB628 Special Topics in Arabic Studies: Arabic Short Story and Writing Strategies; (3 credits) Grade Method: REG/AUD.

PC01	Valerie Anishchenkova Tu 8:30am - 10:00am F 8:30am - 10:00am Th 12:45pm - 1:45pm	Seats (Total: 10) SQH 2107 SQH 2107 SQH 2107	 Lab
PC02	Valerie Anishchenkova M 10:15am - 11:45am Th 10:15am - 11:45am F 10:15am - 11:15am	Seats (Total: 10) SQH 2107 SQH 2107 SQH 2107	 Lab
PC03	Valerie Anishchenkova M 8:30am - 10:00am Th 8:30am - 10:00am Tu 10:15am - 11:15am	Seats (Total: 10) SQH 2107 SQH 2107 SQH 2107	 Lab

ARAB640 **Socio-political Issues in Contemporary Arab Societies**

ARAB640 Socio-political Issues in Comtemporary Arab Societies; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. In-depth study of major social and political issues in Arab world today. Inter-Arab dynamics, economic impact of globalization, pressure for westernization in areas such as democratic state institutions, women's rights, human rights, role of religion in government and the law. Taught in Arabic.

PC01	Soulaiman Jendi M 12:45pm - 2:15pm Th 10:15am - 11:15am F 10:15am - 11:15am	Seats (Total: 10) SQH 2109 SQH 2109 SQH 2109	 Lab
PC02	Soulaiman Jendi M 8:30am - 10:00am Tu 10:15am - 11:15am Th 8:30am - 10:00am	Seats (Total: 10) SQH 2109 SQH 2109 SQH 2109	 Lab
PC03	Soulaiman Jendi Tu 8:30am - 10:00am Th 12:45pm - 2:15pm F 8:30am - 9:00am	Seats (Total: 10) SQH 2109 SQH 2109 SQH 2109	 Lab

ARAB789 **Independent Study in Arabic**

ARAB789 Independent Study in Arabic; (1-3 credits) Grade Method: REG.

PC01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 15)

ARCH Architecture Fall 2010

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

0101	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1101	 Discussion
0102	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1103	 Discussion

0103	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0104	Ronit Eisenbach MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0105	Ronit Eisenbach MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0107	Ronit Eisenbach MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0110	Ronit Eisenbach MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0111	Ronit Eisenbach MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 21) ARC 0204 ARC 1101	Discussion
0201	Ronit Eisenbach MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0202	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0203	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0204	Ronit Eisenbach MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 ARC 1121	Discussion

0205	Ronit Eisenbach MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 21) ARC 0204 ARC 1101	Discussion
0206	Ronit Eisenbach MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0207	Ronit Eisenbach MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0209	Ronit Eisenbach MW 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 19) ARC 0204 ARC 1127	Discussion
0212	Ronit Eisenbach MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion

ARCH225 **History of World Architecture I**

ARCH225 History of World Architecture I; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from prehistory through the year 1000 CE.

0101	Robert Vann TuTh 9:00am - 10:15am	Seats (Total: 150) ARC 0204	

ARCH227 **History of World Architecture III**

ARCH227 *(PermReq)* **History of World Architecture III; (3 credits)** Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from 1800 to present.

0101	Robert Vann TuTh 12:30pm - 1:45pm	Seats (Total: 120) ARC 0204	

ARCH242 **Basic Architectural Drawing**

ARCH242 *(PermReq)* **Basic Architectural Drawing; (3 credits)** Grade Method: REG.

Prerequisite: ARCH170 or permission of department. Freshman standing. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 8:50am F 9:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0102	Lester Escobal F 8:00am - 8:50am F 9:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0103	Lester Escobal F 8:00am - 8:50am F 9:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0104	Lester Escobal F 8:00am - 8:50am F 9:00am - 9:50am M 11:00am - 12:50pm	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab
0105	Lester Escobal F 8:00am - 8:50am F 9:00am - 9:50am M 6:00pm - 7:50pm	Seats (Total: 13) ARC 1105 ARC 0204 Location: TBA	Lab

ARCH400 **Architecture Studio I**

ARCH400 *(PermReq)* **Architecture Studio I; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH majors only. Introduction to architectural design with particular emphasis on conventions and principles of architecture, visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0102	Brian Kelly	Seats (Total: 54)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH402 **Architecture Studio III**

ARCH402 *(PermReq)* **Architecture Studio III; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH401 with a grade of C or better. For ARCH majors only. Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered fall only.

0101	Paul Mortensen	Seats (Total: 12)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH404 **Graduate Architecture Design Studio I**

ARCH404 Graduate Architecture Design Studio I; (6 credits) Grade Method: REG/AUD.
Restricted to Master of Architecture majors only. Recommended: For 3 1/2 year graduate students only. Introduction to architectural design with particular emphasis on conventions and principles of architecture , visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0101	Michael Ambrose	Seats (Total: 12)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH406 **Graduate Architecture Design Studio III**

ARCH406 Graduate Architecture Design Studio III; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH405 with a grade of C (2.0) or better. For Master of Architecture majors only. Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical.

0101	Michael Sewell	Seats (Total: 16)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH410 **Architecture Technology I**

ARCH410 *(PermReq)* **Architecture Technology I; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH140 or MATH220; PHYS121 and (one of the following:BSCI205, GEOG140, GEOL120, GEOL123/AOSC123/METO123/GEOG123). Corequisite: ARCH400. For ARCH majors only. First course in a four course sequence which develops the knowledge and skills of architectural technology. Addresses climate, human responses to climate, available materials, topography and impact on culture. Principles of assembly, basic structural principles and philosophies of construction. Offered fall only.

0101	Carl Bovill	Seats (Total: 80)
	TuTh 2:00pm - 3:50pm	ARC 0204

ARCH412 **Architecture Technology III**

ARCH412 *(PermReq)* **Architecture Technology III; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH411 with a grade of C or better. Corequisite: ARCH402. For ARCH majors only. Third course in a four course sequence. Design of steel, timber, and reinforced concrete elements and subsystems; analysis of architectural building systems. Introduction to design for both natural and man-made hazards. Offered fall only.

0101	Rachel Palisin TuTh 10:30am - 12:20pm	Seats (Total: 68) ARC 0204

ARCH422 **History of Greek Architecture**

ARCH422 History of Greek Architecture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH221 or permission of department.* Survey of Greek architecture from 750-100 B.C.

0101	Robert Vann Tu 7:00pm - 9:45pm	Seats (Total: 30) ARC 1101

ARCH426 **Fundamentals of Architecture**

ARCH426 *(PermReq)* **Fundamentals of Architecture; (3 credits)** Grade Method: REG/AUD.
Prerequisite: admission to 3 1/2 year M. ARCH program. For ARCH majors only. Thematic introduction of a variety of skills, issues, and ways of thinking that bear directly on the design and understanding of the built world. Offered fall only.

0101	Cynthia Field Tu 5:00pm - 8:10pm	Seats (Total: 15) TWS 0234

ARCH443 **Visual Communication For Architects**

ARCH443 Visual Communication For Architects; (3 credits) Grade Method: REG. *Prerequisite: Admission to the 3 1/2 year M. ARCH program. Corequisite: ARCH400. For ARCH majors only.* Investigation of the relationship between drawing from life and architectural drawing, the conventions of architectural drawing and the role of architectural drawing as a means to develop, communicate, and generate architectural ideas.

0101	Elijah Moore MF 10:00am - 12:50pm	Seats (Total: 20) ARC 1127

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400 or permission of department. For ARCH majors only.
Introduction to computer utilization, with emphasis on architectural applications. ARCH majors only.

0101	Mark Ramirez	Seats (Total: 18)	
	Tu 7:00pm - 8:50pm	Location: TBA	
	Th 7:00pm - 8:50pm	Location: TBA	Lab

ARCH478J **Selected Topics in Architecture; University Campus: Past, Present, and Future**

ARCH478J *(PermReq)* **Selected Topics in Architecture: University Campus: Past, Present, and Future; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Steven Hurtt	Seats (Total: 8)
	Th 7:00pm - 10:00pm	ARC 1123

ARCH478X **Selected Topics in Architecture; Building Innovation**

ARCH478X *(PermReq)* **Selected Topics in Architecture: Building Innovation; (3 credits)** Grade Method: REG/P-F/AUD.
This seminar course parallels the themes of ARCH673 Building Culture, with a specific focus on the design and detailing of a small sustainably crafted house. The course will be taught in collaboration with ARCH673 in Fall 2010.

0101	Brian Grieb	Seats (Total: 10)
	TuTh 7:00pm - 9:00pm	ARC 1121

ARCH600 **Comprehensive Design Studio V**

ARCH600 *(PermReq)* **Comprehensive Design Studio V; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 403 or equivalent. Corequisite: ARCH611. For ARCH majors only.
Comprehensive building and site design. Course content bridges the gap between design and technology, between practice and education, in a studio setting. Explorations include the integration of conceptual and technical aspects of architectural form and assembly, highlighting the ways in which multiple layers of a building design are developed, coordinated and resolved.

0101	Peter Noonan MWF 2:00pm - 6:00pm	Seats (Total: 9) Location: TBA

ARCH611 **Advanced Architecture Technology Seminar**

ARCH611 *(PermReq)* **Advanced Architecture Technology Seminar; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 413. Corequisite: ARCH 600. For ARCH majors only. Technology in design of buildings. Application of technological issues in building design; integration of technology in architecture; technology as a form determinant in architecture; other conceptual and philosophical issues related to the application of technology in the design, construction, and use of buildings. Offered fall only.

0101	Michael Binder TuTh 7:00pm - 9:00pm	Seats (Total: 15) Location: TBA
0102	Matthew Daw, Carl Bovill TuTh 4:30pm - 6:30pm	Seats (Total: 15) ARC 1103

ARCH628D **Selected Topics in Architectural History; Washington D.C.'s History of Architecture and Planning**

ARCH628D *(PermReq)* **Selected Topics in Architectural History: Washington D.C.'s History of Architecture and Planning; (3 credits)** Grade Method: REG/AUD.

0101	Cynthia Field TuTh 9:00am - 10:15am	Seats (Total: 15) ARC 1127

ARCH628T **Selected Topics in Architectural History; History of the Turkish Architecture**
Contact department for information to register for this course.

ARCH629 **Independent Studies in Architectural History**

ARCH629 *(PermReq)* **Independent Studies in Architectural History; (3 credits)** Grade Method: REG/AUD.

0801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

ARCH654 **Urban Development and Design Theory**

ARCH654 Urban Development and Design Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH401 or permission of department. Advanced investigation into the history, and practice of urban design, planning, and development.

0101	Karl Du Puy	Seats (Total: 42)	
	MW 11:00am - 12:00pm	ARC 1105	
	F 10:00am - 12:00pm	ARC 1105	

ARCH673 **Building Culture**

ARCH673 Building Culture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 402 or permission of department. For ARCH majors only. Comprehension of major themes in the development of architectural building techniques and culture value systems in architecture are developed through lecture, discussion and analysis of seminal readings and buildings.

0101	Madlen Simon	Seats (Total: 12)	
	TuTh 7:00pm - 9:00pm	ARC 0204	

ARCH674 **Seminar in Regionalism**

ARCH674 *(PermReq)* **Seminar in Regionalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH600 or permission of department. Regional characterisitics of culture, climate, and landscape as determinants world architecture.

0101	William Bechhoefer	Seats (Total: 9)	
	M 11:00am - 11:50am	ARC 1121	
	W 10:00am - 11:50am	ARC 1127	Discussion

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

Contact department for information to register for this course.

ARCH678J **Selected Topics in Architecture; University Campus: Past, Present, and Future**

ARCH678J *(PermReq)* **Selected Topics in Architecture: University Campus: Past, Present, and Future; (3 credits)** Grade Method: REG/AUD.

0101	Steven Hurtt Th 7:00pm - 10:00pm	Seats (Total: 8) ARC 1123

ARCH700 **Advanced Urban Design Studio VII**

ARCH700 *(PermReq)* **Advanced Urban Design Studio VII; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 600 or permission of department. Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit-Oriented Development, density, sustainable development building typology, and street design.

0101	Matthew Bell TuTh 2:00pm - 7:00pm Contact instructor or department for details.	Seats (Total: 10) ARC 1127

ARCH770 **Professional Practice**

ARCH770 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 601 or permission of department. For ARCH majors only. Project management, organizational, legal, economic and ethical aspects of architecture.

0101	Andrew Pressman F 11:00am - 1:50pm	Seats (Total: 30) ARC 1103

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 601. Directed research and preparation of thesis program.

0101	Brian Kelly Tu 11:30am - 2:00pm	Seats (Total: 20) ARC 1121

0201	Brian Kelly Th 11:00am - 1:30pm	Seats (Total: 12) ARC 1123	

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG.

0101	Ralph Bennett MWF 2:00pm - 6:00pm	Seats (Total: 12) Location: TBA	

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Fall 2010

AREC240 **Introduction to Economics and the Environment**

AREC240 Introduction to Economics and the Environment; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

0101	Kenneth McConnell TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 40) TYD 0117 SYM 0200	 Discussion
0102	Kenneth McConnell TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 40) TYD 0117 MMH 0108	 Discussion

AREC306 **Farm Management**

AREC306 Farm Management; (3 credits) Grade Method: REG/P-F/AUD.
The organization and operation of the farm business to obtain an income consistent with family resources and objectives. Principles of production economics and other related fields as applied to the individual farm business.

0101	Dale Johnson	Seats (Total: 80)
	M 3:00pm - 5:45pm	SYM 0200

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Kenneth Leonard	Seats (Total: 260)
	MWF 12:00pm - 12:50pm	HJP 0226

AREC382 **Computer-Based Analysis in Agricultural and Resource Economics**

AREC382 Computer-Based Analysis in Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH111/STAT100 or equivalent; and ECON200/AREC240/AREC250 or equivalent. Credit will be granted for only one of the following: AREC182 or AREC382. Formerly AREC182. Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

0101	Charles Towe	Seats (Total: 30)
	MW 9:00am - 10:15am	PLS 1129

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

AREC388 **Honors Thesis Research**

AREC388 Honors Thesis Research; (3-6 credits) Grade Method: REG.

3008	Vivian Hoffmann Contact instructor or department for details.	Seats (Total: 5)
3103	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 5)

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC433 **Food and Agricultural Policy**

AREC433 Food and Agricultural Policy; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* Economic and political context of governmental involvement in the farm and food sector. Historical programs and current policy issues. Analysis of economic effects of agricultural programs, their benefits and costs, and comparison of policy alternatives. Analyzes the interrelationship among international development, agricultural trade and general economic and domestic agricultural policies.

0101	Howard Leathers MWF 10:00am - 10:50am	Seats (Total: 80) SYM 0200

AREC445 **Agricultural Development, Population Growth and the Environment**

AREC445 Agricultural Development, Population Growth and the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Development theories, the role of agriculture in economic development, the agricultural policy environment, policies impacting on rural income and equity, environmental impacts of agricultural development.

0101	Vivian Hoffmann	Seats (Total: 80)
	TuTh 3:30pm - 4:45pm	SYM 0200

AREC453 **Natural Resources and Public Policy**

AREC453 Natural Resources and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.

0101	Erik Lichtenberg	Seats (Total: 80)
	TuTh 9:30am - 10:45am	MCB 1207

AREC455 **Economics of Land Use**

AREC455 Economics of Land Use; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricutural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.
Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.

0101	Loretta Lynch	Seats (Total: 90)	
	MW 11:00am - 12:15pm	SYM 0200	

AREC620 **Optimization in Agricultural and Resource Economics**

AREC620 Optimization in Agricultural and Resource Economics; (3 credits)
Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Prerequisite: differential calculus and one course in matrix or linear algebra.
Mathematical theory of optimization as it is used in agricultural and resource economics. Topics include necessary and sufficient conditions for nonlinear programming and related Kuhn-Tucker and saddle point theory, convexity and concavity, existence and uniqueness, duality and the envelope theorem, the discrete maximum principle, and control theory and dynamic optimization.

0101	Lars Olson	Seats (Total: 25)	
	W 5:45pm - 8:15pm	SYM 0215	
	W 3:30pm - 5:00pm	HBK 1108	Discussion

AREC623 **Applied Econometrics I**

AREC623 Applied Econometrics I; (4 credits) Grade Method: REG/AUD. *Three hours of lecture and one and one-half hours of discussion per week.* Fundamentals of mathematical statistics for applications in econometrics. Development of the standard linear model and computer applications in applied econometric problems.

0101	Anna Alberini, Richard Just	Seats (Total: 27)	
	MW 10:00am - 12:30pm	SYM 0215	
	F 10:00am - 12:00pm	SYM 3121	Discussion

AREC625 **Economic Welfare Analysis**

AREC625 Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD. *Also offered as AREC 825. Credit will be granted for only one of the following: AREC 625 or AREC 825.* The measurement of economic well-being for producers, consumers, and resource owners. Topics include competitive equilibrium, Pareto optimality, market failure, public goods and nonmarket welfare measurement, multimarket considerations, existing distortions, and second best. Applications in economic welfare analysis of agricultural and resource policies are discussed. Also offered as AREC825.

0101	Charles Towe	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	SYM 0209	

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC785 **Advanced Economics of Natural Resources**

AREC785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603 and AREC 623 or permission of department. Also offered as ECON 785. Credit will be granted for only one of the following: AREC 785 or ECON 785. The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Erik Lichtenberg	Seats (Total: 28)
	MW 12:30pm - 1:45pm	SYM 0209

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC825 **Advanced Economic Welfare Analysis**

AREC825 Advanced Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 625. Credit will be granted for only one of the following: AREC 625 or AREC 825. Theory of economic welfare measurement, problems of path dependence in evaluating multiple price changes, welfare measurement under risk, general equilibrium welfare measurement with multiple distortions, and applications in evaluation of agricultural and resource policies. Also offered as AREC625.

0101	Charles Towe	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	SYM 0209

AREC846 **Development Microeconomics**

AREC846 Development Microeconomics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON603; and AREC623/AREC624; or equivalent. Formerly AREC869E. Development economics with focus on issues applicable to rural development and agriculture in developing countries. Focuses on both theory and empirical application of theory.

0101	Kenneth Leonard	Seats (Total: 20)
	MW 9:00am - 10:15am	WDS 0104

AREC869P **Advanced Topics in Agricultural Economics; Prospectus Development**

AREC869P *(PermReq)* **Advanced Topics in Agricultural Economics: Prospectus Development; (3 credits)** Grade Method: REG/AUD.

0101	Kenneth McConnell	Seats (Total: 15)
	Contact instructor or department for details.	

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Fall 2010

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of the College of Arts and Humanities. Restricted to students that have earned 12 credits at UM; 2.5 GPA. For ARHU majors only.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU298L **Critical Approaches to Traditional and Non-Traditional Literary Forms across Different Cultures**

ARHU298L Critical Approaches to Traditional and Non-Traditional Literary Forms across Different Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
This course will look at the different types of literature ((Novel, Short Story, Flash Fiction, Comics, etc.) produced by groups or individuals under diverse circumstances (cultural, historical, politicalgeographical, economic, philosophical, etc.). The required texts will provide the students with an opportunity to revaluate some commonly underestimated literary forms, such as flash fiction, comics orspoken word poetry and to understand the function of these manifestations in relationship to more traditional (canonical) expressions such as the novel.

FC01	Vivianne Salgado TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) KEY 0103

ARHU299T **Studies in Humanities Technology; Tech Apprentice Program**

ARHU299T *(PermReq)* **Studies in Humanities Technology: Tech Apprentice Program; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as UNIV299T. Restricted to ARHU students. Prerequisite: permission of department. Click here for more course information.

0101	Deborah Mateik F 10:00am - 12:30pm	Seats (Total: 8) CSS 1410

ARHU318 **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318 *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt at jmschmid@umd.edu

0101	Johnna Schmidt W 4:00pm - 5:30pm	Seats (Total: 20) DOR 0128
0201	Zein El-Amine W 7:00pm - 8:30pm	Seats (Total: 20) DOR 0128

ARHU319 **Writers' House Second Year Colloquium: Form and Theory of Creative Writing**

ARHU319 *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; (3 credits)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt jmschmid@umd.edu.

0101	Vivianne Salgado M 5:30pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128
0201	Reginald Betts M 3:00pm - 5:30pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

0101	Johnna Schmidt Contact instructor or department for details.	Seats (Total: 10)
0201	Vivianne Salgado Contact instructor or department for details.	Seats (Total: 10)

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: permission of the college. Junior standing.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 20)

ARHU468A **Peer Mentoring Program; Arts and Humanities' Ambassador Program**

ARHU468A *(PermReq)* **Peer Mentoring Program: Arts and Humanities' Ambassador Program; (1 credit)** Grade Method: REG.
Restricted to current ARHU students who will serve as ambassadors for the College of Arts and Humanities.

0101	J Greene Th 3:30pm - 5:30pm	Seats (Total: 20) KEY 0119

ARHU486 **Internship Practicum in Arts and Humanities**

ARHU486 *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)** Grade Method: REG/P-F/AUD.
No more than 12 credits of internship can count toward a degree. Prerequisite: 60 or more credits completed (12 credits at U of MD), 2.5 GPA, have completed previous internship at U of MD; and permission of department (ARHU Internship Coordinator). For ARHU majors only. An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU786 **Leadership and Professional Development Internship**

ARHU786 *(PermReq)* **Leadership and Professional Development Internship; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: One semester of full-time graduate study. By permission of student's department. Students must be in good standing and demonstrate satisfactory progress toward degree. Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

Contact department for information to register for this course.

ARMY Army Fall 2010

ARMY101 **Basic Military Science I**

ARMY101 Basic Military Science I; (1 credit) Grade Method: REG.
An exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie. Hands on experience in managerial operations and military techniques. Applied military customs and techniques through physical and mental training.

0101	Samuel Cook W 1:00pm - 1:50pm Th 4:00pm - 6:00pm	Seats (Total: 30) COL 0113 Location: TBA	 Lab
0102	Samuel Cook W 9:00am - 9:50am Th 4:00pm - 6:00pm	Seats (Total: 20) COL 0113 Location: TBA	 Lab

ARMY103 **Basic Army Physical Fitness**

ARMY103 Basic Army Physical Fitness; (2 credits) Grade Method: REG/P-F/AUD. *Recommended: ARMY101.* This course allows beginners to learn the basic Army Physical Fitness program. Through a series of rigorous progressive workouts, the student advances from novice status to meet the requirements of the Army Physical Fitness Test. Course content also introduces students to Army managerial skills and basic military tactics and techniques.

0101	Samuel Cook MWTh 6:30am - 7:30am	Seats (Total: 50) Location: TBA	

ARMY201 **Army Leadership Development**

ARMY201 Army Leadership Development; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. This course is an intensive examination of the Army Leadership Model in practice. The model is compared to leadership styles and techniques from government and industry and the comparative effectiveness of each. Students form their own personal leadership styles.

0101	Terrence McCall W 2:00pm - 3:50pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 30) COL 0113 Location: TBA Location: TBA	 Lab Lab
0102	Terrence McCall Th 2:00pm - 3:50pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 20) COL 0113 Location: TBA Location: TBA	 Lab Lab

ARMY301 **Advanced Military Leadership I**

ARMY301 Advanced Military Leadership I; (3 credits) Grade Method: REG. *Prerequisite: Permission of Army ROTC. Junior standing.* Reinforces understanding and application of Army leadership strategies, critical decision making methodologies, physical and mental fitness excellence. Includes a laboratory period in applied leadership, common military tasks and physical fitness.

0101	Terrence McCall	Seats (Total: 35)	
	Tu 3:30pm - 6:15pm	COL 0113	
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARMY401 **Advanced Military Leadership III**

ARMY401 Advanced Military Leadership III; (3 credits) Grade Method: REG. *Prerequisite: Permission of Army ROTC. Senior standing.* Introduces contracted students to the study of Army structure, practices and processes exercised by Army Commanders and Staff in completing personnel, logistics, training and combat operations. Includes a laboratory in applied leadership skills and two field exercises.

0101	Samuel Cook	Seats (Total: 25)	
	Tu 3:30pm - 6:15pm	COL 0102	
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARSC Air Science Fall 2010

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.

0101	Dan Shaltanis	Seats (Total: 200)	
	Th 7:00am - 8:50am	COL 0101	Lab

ARSC100 **The USAF Today I**

ARSC100 The USAF Today I; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059.
Freshmen course for AFROTC cadets. Study of topics relating to the Air Force and defense. Focuses on organizational structure and missions of the Air Force; officership; and an introduction to both written and oral communication skills. An elective but required for freshmen desiring the four-year AFROTC program.

0101	Jennifer Titkemeier Tu 10:00am - 10:50am	Seats (Total: 18) COL 2126
0102	Jennifer Titkemeier Th 10:00am - 10:50am	Seats (Total: 60) HJP 2242
0103	Jennifer Titkemeier Th 1:00pm - 1:50pm	Seats (Total: 18) COL 2126
0104	Jennifer Titkemeier Tu 1:00pm - 1:50pm	Seats (Total: 18) COL 2126

ARSC200 **The Development of Air Power I**

ARSC200 The Development of Air Power I; (1 credit) Grade Method: REG/P-F/AUD.
Open to all university students. AFROTC cadets must also register for ARSC059.
Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills. An elective, but required for sophomores in the four-year AFROTC program. Military cadets must also enroll in ARSC 159.

0101	Dan Shaltanis Th 11:00am - 11:50am	Seats (Total: 52) COL 0101
0102	Dan Shaltanis Th 12:00pm - 12:50pm	Seats (Total: 40) COL 0101
0103	Robert Pecoraro Tu 9:00am - 9:50am	Seats (Total: 40) COL 0100

ARSC210 **Field Training**

ARSC210 *(PermReq)* **Field Training; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AFROTC cadets with permission of department. Sophomore standing. Designed to train Air Force officer candidates in the skills of leadership, teamwork, officership, and the profession of arms. Successful completion is mandatory for all candidates in order to complete the AFROTC program and attain an Air Force commission.

0101	Dan Shaltanis	Seats (Total: 35)
	Contact instructor or department for details.	

ARSC300 **Management and Leadership I**

ARSC300 *(PermReq)* **Management and Leadership I; (3 credits)** Grade Method: REG.
Corequisite: ARSC059 or permission of department. Junior standing. Credit will be granted for only one of the following: ARSC300 or ARSC310. Formerly ARSC310. The study of leadership and management fundamentals, professional knowledge, Air Force doctrine, and written and oral communication skills. Case studies are used to examine leadership and management situations.

0101	Vaughn Gonzalez	Seats (Total: 40)
	Th 10:00am - 12:50pm	COL 3110
0201	Vaughn Gonzalez	Seats (Total: 40)
	TuTh 2:00pm - 3:30pm	COL 0101

ARSC400 **National Security Forces in Contemporary American Society I**

ARSC400 *(PermReq)* **National Security Forces in Contemporary American Society I; (3 credits)** Grade Method: REG.
Prerequisite: ARSC300 or ARSC301; or permission of department. Corequisite: ARSC059 or permission of department. Senior standing. Credit will be granted for only one of the following: ARSC320 or ARSC400. Formerly ARSC320. Study of American national security policy and processes to include information and implementation, impact of major national and international actors, and development of major policy issues.

0101	Thomas Sadiq	Seats (Total: 18)
	TuTh 2:00pm - 3:30pm	COL 2126

0201	Thomas Sadiq Th 10:00am - 1:00pm	Seats (Total: 18) COL 2126	

ARTH Art History & Archaeology Fall 2010

ARTH200 **Art of the Western World to 1300**

ARTH200 Art of the Western World to 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from prehistoric times to the Renaissance.

0101	Marjorie Venit MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	 Discussion
0102	Marjorie Venit MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	 Discussion
0103	Marjorie Venit MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	 Discussion
0104	Marjorie Venit MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3215	 Discussion
0105	Marjorie Venit MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3211	 Discussion
0106	Marjorie Venit MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	 Discussion

ARTH201 **Art of the Western World after 1300**

ARTH201 Art of the Western World after 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from the Renaissance to the present.

0101	Steven Mansbach MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0102	Steven Mansbach MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0103	Steven Mansbach MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0104	Steven Mansbach MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0105	Steven Mansbach MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0106	Steven Mansbach MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
FC01	Ann Wagner TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ASY 3211	
FC02	Sybil Gohari MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ASY 3207	

ARTH250 **Art and Archaeology of Ancient America**

ARTH250 Art and Archaeology of Ancient America; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

Art and archaeology of ancient Mesoamerica from 500 B.C. to 1500 A.D.

0101	Abigail McEwen MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0102	Abigail McEwen MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0103	Abigail McEwen MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0104	Abigail McEwen MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0105	Abigail McEwen MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0106	Abigail McEwen MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion

ARTH275 **Art and Archaeology of Africa**

ARTH275 Art and Archaeology of Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Appreciation of the art of African cultures. A survey of African culture through painting, sculpture, and architecture from prehistoric times to the present.

0101	Shannen Hill TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0102	Shannen Hill TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion

0103	Shannen Hill TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0104	Shannen Hill TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0105	Shannen Hill TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0106	Shannen Hill TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

ARTH289Z **Art and Architecture in London**
Contact department for information to register for this course.

ARTH290 **Art of Asia**

ARTH290 Art of Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
South and East Asian art from prehistory through the mid-19th century.

0101	Alicia Volk TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0102	Alicia Volk TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0103	Alicia Volk TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0104	Alicia Volk TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

0105	Alicia Volk TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0106	Alicia Volk TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

ARTH303 **Roman Art and Archaeology**
Contact department for information to register for this course.

ARTH313 **Early Medieval Art**

ARTH313 Early Medieval Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH410. Painting, sculpture and architecture in Western Europe, ca. 500-1150.

0101	Lauree Sails TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 3211	

ARTH321 **Sixteenth-Century Northern European Painting**

ARTH321 Sixteenth-Century Northern European Painting; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH425. Painting in France, Germany, England, and the Low Countries during the Renaissance and Reformation.

0101	Louise Martinez TuTh 3:30pm - 4:45pm	Seats (Total: 30) ASY 3211	

ARTH323 **Fifteenth-Century Italian Renaissance Art**

ARTH323 Fifteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH415. Painting, sculpture, architecture, and the decorative arts of the fifteenth century in Italy.

0101	Meredith Gill TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3211	

ARTH330 **Seventeenth-Century European Art**

ARTH330 Seventeenth-Century European Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH430. Painting, sculpture and architecture concentrating on Italy, Spain, France, and England.

0101	Anthony Colantuono	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3215

ARTH345 **Nineteenth-Century European Art to 1850**

ARTH345 Nineteenth-Century European Art to 1850; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH445. The major trends from Neo-Classicism to Romanticism in painting, sculpture, and architecture in Europe.

0101	June Hargrove	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3211

ARTH369A **Special Topics in Study Abroad III; Art, Power, and Propaganda**
Contact department for information to register for this course.

ARTH369P **Special Topics in Study Abroad III; Patrons and Artists in Baroque Italy**
Contact department for information to register for this course.

ARTH384 **Art of Japan**

ARTH384 Art of Japan; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Formerly ARTH395. A chronological survey of Japanese painting, sculpture, architecture, and the applied arts.

0101	Yui Suzuki	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3215

ARTH386 **Experiential Learning**

ARTH386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F.
Prerequisite: permission of department. Junior standing.

0201	Abigail McEwen Contact instructor or department for details.	Seats (Total: 5)
0401	Anthony Colantuono Contact instructor or department for details.	Seats (Total: 5)
0601	June Hargrove Contact instructor or department for details.	Seats (Total: 5)
0701	Meredith Gill Contact instructor or department for details.	Seats (Total: 5)
1501	Marjorie Venit Contact instructor or department for details.	Seats (Total: 5)
1601	Arthur Wheelock Contact instructor or department for details.	Seats (Total: 5)
1801	William Pressly Contact instructor or department for details.	Seats (Total: 5)
2001	Jason Kuo Contact instructor or department for details.	Seats (Total: 5)
2601	Steven Mansbach Contact instructor or department for details.	Seats (Total: 5)
2701	Renee Ater Contact instructor or department for details.	Seats (Total: 5)
3001	Joshua Shannon Contact instructor or department for details.	Seats (Total: 5)
3201	Shannen Hill Contact instructor or department for details.	Seats (Total: 5)
3401	Alicia Volk Contact instructor or department for details.	Seats (Total: 5)

ARTH389A **Special Topics in Art History and Archaeology; Film as Dream**

ARTH389A Special Topics in Art History and Archaeology: Film as Dream; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf W 3:00pm - 6:30pm	Seats (Total: 30) ASY 3211

ARTH389L **Special Topics in Art History and Archaeology; Modern Latin American Art to 1945**

ARTH389L Special Topics in Art History and Archaeology: Modern Latin American Art to 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	Abigail McEwen M 2:00pm - 4:30pm	Seats (Total: 30) ASY 3211

ARTH389M **Special Topics in Art History and Archaeology; Art History and the Museum World**

ARTH389M Special Topics in Art History and Archaeology: Art History and the Museum World; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine Th 2:00pm - 4:30pm	Seats (Total: 15) ASY 3203

ARTH444 **British Painting, Hogarth to the Pre-Raphaelites**

ARTH444 British Painting, Hogarth to the Pre-Raphaelites; (3 credits) Grade Method: REG/P-F/AUD.
A survey of British painting focusing on the establishment of a strong native school in the genres of history painting, narrative subjects, portraiture, sporting art, and landscape.

0101	William Pressly TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3215

ARTH488A **Colloquium in Art History; Problems in 17th-Century French Art**

ARTH488A Colloquium in Art History: Problems in 17th-Century French Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Anthony Colantuono TuTh 11:00am - 12:15pm	Seats (Total: 15) ASY 3217

ARTH488B **Colloquium in Art History; Japanese Art Since 1945**

ARTH488B Colloquium in Art History: Japanese Art Since 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alicia Volk TuTh 12:30pm - 1:45pm	Seats (Total: 15) ASY 3217

ARTH488M **Colloquium in Art History; The Materials and Techniques of Sculpture from 1750 to 1950**

ARTH488M Colloquium in Art History: The Materials and Techniques of Sculpture from 1750 to 1950; (3 credits) Grade Method: REG/P-F/AUD.

0101	June Hargrove TuTh 9:30am - 10:45am	Seats (Total: 15) ASY 3217

ARTH489E **Special Topics in Art History; Photography since WWII**

ARTH489E Special Topics in Art History: Photography since WWII; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joshua Shannon TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3211

ARTH489H **Special Topics in Art History; Art in London (Honors)**
Contact department for information to register for this course.

ARTH489M **Special Topics in Art History; Classical Mythology in Renaissance and Baroque Art**

ARTH489M Special Topics in Art History: Classical Mythology in Renaissance and Baroque Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3215

ARTH489Z **Special Topics in Art History; Art in London**

Contact department for information to register for this course.

ARTH498 **Directed Studies in Art History I**

ARTH498 *(PermReq)* **Directed Studies in Art History I; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH619 **Studies in Italian Renaissance Art**

ARTH619 *(PermReq)* **Studies in Italian Renaissance Art; (3 credits)** Grade Method: REG/AUD.

0101	Meredith Gill	Seats (Total: 8)
	Tu 12:00pm - 2:40pm	ASY 4304

ARTH679 **Studies in Japanese Art**

ARTH679 *(PermReq)* **Studies in Japanese Art; (3 credits)** Grade Method: REG/AUD.

0101	Yui Suzuki	Seats (Total: 8)
	Th 12:00pm - 2:40pm	ASY 4304

ARTH692 **Methods of Art History**

ARTH692 *(PermReq)* **Methods of Art History; (3 credits)** Grade Method: REG/AUD. Methods of research and criticism applied to typical art-historical problems; bibliography and other research tools. For all non-Art History and Archaeology majors, permission of the department is required.

0101	Joshua Shannon Th 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH739 **Seminar in Seventeenth-Century Northern European Art**

ARTH739 *(PermReq)* **Seminar in Seventeenth-Century Northern European Art; (3 credits)** Grade Method: REG/AUD.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH748 **Seminar in Eighteenth-Century European Art**

ARTH748 *(PermReq)* **Seminar in Eighteenth-Century European Art; (3 credits)** Grade Method: REG/AUD.

0101	William Pressly Tu 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH759 **Seminar in Twentieth-Century Art**

ARTH759 *(PermReq)* **Seminar in Twentieth-Century Art; (3 credits)** Grade Method: REG/AUD.

0101	Steven Mansbach W 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Fall 2010

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ARTT100, ARTS100, DESN101, or APDS101. Formerly ARTS100. Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 laboratory studio fee.

0101	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	 Lab
0201	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2314	 Lab
0301	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	 Lab
0401	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	 Lab
0501	Alexander Peace TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	 Lab

0601	Alexander Peace TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab
0701	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0801	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0901	Jeremy Flick MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
1001	Jeremy Flick MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F. *Formerly ARTS110.* Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 laboratory studio fee.

0101	David Knobel MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	David Knobel MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	Daniel Steinhilber TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2317	Lab
0401	Daniel Steinhilber TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2321	Lab
0501	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab

0701	Timothy Horjus MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0801	Timothy Horjus MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0901	Tadeusz Lapinski TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
1001	Tadeusz Lapinski TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab

ARTT110S **Elements of Drawing I**

ARTT110S Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. *Formerly ARTS110.* Restricted to College Park Scholars - Arts. Students must pay a $40.00 laboratory studio fee.

0601	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0103	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion

0201	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3219	 Discussion
0202	Rex Weil TuTh 3:30pm - 4:20pm Th 2:30pm - 3:20pm	Seats (Total: 25) ASY 2309 ASY 3219	 Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 JMZ 1117	 Discussion
FC01	Rex Weil TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) JMZ 2122	
FC02	Leslie Berns MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ASY 3221	
FC03	Leslie Berns TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EGR 3114	

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit will be granted for only one of the following: ARTT200, ARTS200, DESN102, or APDS102. Formerly ARTS200.
Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 laboratory studio fee.

0101	Judith Stone MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 1311	 Lab
0201	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab

0301	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1311	 Lab
0401	Judith Stone MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab

ARTT208 **Intermediate Special Topics in Art; Water Based Media**

ARTT208 Intermediate Special Topics in Art: Water Based Media; (3 credits)
Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee.

0101	Tadeusz Lapinski TuTh 9:00am - 11:30am	Seats (Total: 20) ASY 2318	 Lab

ARTT208D **Intermediate Special Topics in Art; Introduction to Digital Photography**

ARTT208D Intermediate Special Topics in Art: Introduction to Digital Photography; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee. Prerequisite: ARTT150, ARTT200, and ARTT210. Introduction to the technical and aesthetic aspects involved in making expressive and communicative photographic imagery utilizing a Digital SLR camera and post processing with software such as lightroom and Photoshop. It will serve as a foundation for future efforts in photography. Emphasis is placed on photography as a fine art medium, with references to its popular and commercial use. Students must have use of a digital SLR camera. A "point and shot" camera may not be used for this class.

0101	Sora Devore MW 12:30pm - 3:00pm	Seats (Total: 10) CSS 1410	

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT110. Formerly ARTS210. Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 laboratory studio fee.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	Lab
0201	David Knobel MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	Lab
0301	Jeffrey Pinder MW 9:00am - 11:30am	Seats (Total: 18) ASY 2315	Lab
0401	Daniel Steinhilber TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	Lab

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320. Concepts and fundamental processes of oil and/or acrylic painting. Students must pay a $40.00 laboratory studio fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm *Emphasizes acrlic paint.*	Seats (Total: 20) ASY 3312	Lab
0201	Richard Klank MW 9:00am - 11:30am	Seats (Total: 13) ASY 3318	Lab
0301	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 3312	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 laboratory studio fee.

0101	Steven Jones MW 12:30pm - 3:00pm	Seats (Total: 12) ASY 1310	Lab

ARTT330H **Elements of Sculpture: Metal Casting**

ARTT330H *(PermReq)* **Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. Students must pay a $40.00 laboratory studio fee.

0101	Steven Jones	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 laboratory studio fee.

0101	Jesse Burrowes	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS340. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT341 **Elements of Printmaking: Woodcut and Relief**

ARTT341 Elements of Printmaking: Woodcut and Relief; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS341. Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media. Students must pay a $40 materials fee.

0101	Justin Strom	Seats (Total: 8)	
	TuTh 3:00pm - 5:30pm	ASY 1317	

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 8)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT344H **Elements of Printmaking: Lithography**

ARTT344H *(PermReq)* **Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT350 **Elements of Design**

ARTT350 *(PermReq)* **Elements of Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT200, and ARTT210; and permission of department through portfolio review. Not open to students who have completed ARTT250. Credit will be granted for only one of the following: ARTT350 or ARTT250. Formerly ARTT250. Investigation of basic design principles and methods. Introduction to basic typography, layout, illustration, exhibit design, and product/package design. Students must pay a $40.00 laboratory studio fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 9:00am - 11:30am	ASY 2322	Lab

ARTT351 **Elements of Graphic Design and Illustration**

ARTT351 *(PermReq)* **Elements of Graphic Design and Illustration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT250 or ARTT350 or permission of instructor. Credit will be granted for only one of the following: ARTT350 or ARTT250. Instruction to visual communications, logo, multi-page publication, marketing graphics, as well as a variety of media and techniques of editorial illustration. Students must pay a $40.00 laboratory studio fee.

0101	James Thorpe	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2314	Lab
	This course is restricted to students who have been admitted by portfolio review to the Design Program at UMCP.		

ARTT352 **Three Dimensional Graphics**

ARTT352 *(PermReq)* **Three Dimensional Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT350 or permission of instructor. Graphic design and color concepts applied to three-dimensional objects and architectural environments. Presentations include scale drawings, scale models, and real size mock-ups. Certain classes will meet in the woodshop ASY 1311. Students must pay a $40.00 laboratory studio fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 12:30pm - 3:00pm	ASY 2322	Lab
	This course is restricted to students who have been admitted by portfolio review to the Design Program at UMCP.		

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 laboratory studio fee.

0101	Sora Devore	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0110	Lab
	MW 9:00am - 11:30am	MMH 0401	Lab

ARTT354 **Elements of Computer Graphics**

ARTT354 Elements of Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Introduction to computer graphics, imaging, illustration and mixed media. Students must pay a $40.00 laboratory studio fee.

0101	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab
0201	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab
0301	Brandon Morse	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 3311	Lab
0401	Narendra Ratnapala	Seats (Total: 12)	
	TuTh 3:30pm - 6:00pm	CSS 1410	Lab
0501	Narendra Ratnapala	Seats (Total: 12)	
	TuTh 3:30pm - 6:00pm	CSS 1410	Lab

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418A **Advanced Drawing Studio; Experimental Techniques in Drawing**

ARTT418A Advanced Drawing Studio: Experimental Techniques in Drawing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department.Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 laboratory studio fee.

0101	Timothy Horjus	Seats (Total: 18)	
	MW 12:30pm - 3:00pm	ASY 2315	Lab

ARTT418B **Advanced Drawing Studio; A Contemporary Approach**

ARTT418B Advanced Drawing Studio: A Contemporary Approach; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2315	Lab
0201	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab

ARTT418H **Advanced Drawing Studio; Honors Drawing: A Contemporary Approach**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Drawing: A Contemporary Approach; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 9:00am - 11:30am	Seats (Total: 2) ASY 2315	Lab
0201	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 2317	Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 2315	Lab

ARTT428 **Advanced Painting Studio; Painting**

ARTT428 Advanced Painting Studio: Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320 or permission of the department. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 3318	Lab
0201	Emily Conover MW 3:00pm - 5:30pm *Emphasizes acrylic paint.*	Seats (Total: 20) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3322	Lab

ARTT428H **Advanced Painting Studio; Honors Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 12:30pm - 3:00pm *Emphasizes acrylic paint.*	Seats (Total: 2) ASY 3318	Lab
0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 2) ASY 3322	Lab

ARTT428X **Advanced Painting Studio; Advanced Painting Studio**
Contact department for information to register for this course.

ARTT438C **Advanced Sculpture Studio; Steel Sculpture**

ARTT438C Advanced Sculpture Studio: Steel Sculpture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT331 or permission of instructor. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Jesse Burrowes TuTh 12:30pm - 3:00pm	Seats (Total: 6) ASY 1314	 Lab

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1311

ARTT438H **Advanced Sculpture Studio; Honors Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 1314
0301	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1314

ARTT438I **Advanced Sculpture Studio; Metal Casting**

ARTT438I Advanced Sculpture Studio: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of instructor. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Steven Jones	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT448A **Advanced Printmaking Studio; Intaglio**

ARTT448A Advanced Printmaking Studio: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT340. Repeatable to 12 credits. Multi-level printmaking studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Lithography**

ARTT448B Advanced Printmaking Studio: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT344 or permission of instructor. Repeatable to 12 credits. Multi-level printmaking studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT448C **Advanced Printmaking Studio; Woodcut Relief**

ARTT448C Advanced Printmaking Studio: Woodcut Relief; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT341 or permission of department. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1317	 Lab

ARTT448E **Advanced Printmaking Studio; Advanced Print Making; Screen Printing**

ARTT448E Advanced Printmaking Studio: Advanced Print Making; Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT341 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom TuTh 12:30pm - 3:00pm	Seats (Total: 4) ASY 1317	 Lab

ARTT448H **Advanced Printmaking Studio; Honors**

ARTT448H *(PermReq)* **Advanced Printmaking Studio: Honors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 300-level printmaking course and admission to Department Honors Program. Permission of Department required. Students must pay a $40.00 studio lab fee.

0101	Justin Strom TuTh 12:30pm - 3:00pm	Seats (Total: 4) ASY 1317	 Lab
0201	Justin Strom TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 1317	 Lab
0301	Margo Humphrey MW 9:00am - 11:30am	Seats (Total: 2) ASY 1317	

0401	Margo Humphrey	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1317	

ARTT449A **Advanced Photography Studio; Black and White Photography and Wet Darkroom Techniques**

ARTT449A Advanced Photography Studio: Black and White Photography and Wet Darkroom Techniques; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: ARTT353 or permission of instructor. Students must pay a $40.00 laboratory studio fee.

0101	Sora Devore	Seats (Total: 5)	
	MW 9:00am - 11:30am	MMH 0110	Lab

ARTT458 **Graphic Design**

ARTT458 Graphic Design; (3 credits) Grade Method: REG. Prerequisite: ARTT350 and ARTT351. Students must pay a $40.00 laboratory studio fee.

0101	Ruth Lozner	Seats (Total: 20)	
	TuTh 2:00pm - 4:30pm	ASY 2322	Lab

ARTT480H **Honors Seminar**

ARTT480H *(PermReq)* **Honors Seminar; (3 credits)** Grade Method: REG. *Prerequisites: Acceptance into Department Honors Program, completion of ARTT300 - 400H and 418H electives, and permission of department.* Team-taught seminar focusing on relationship between student's work and the theoretical context of contemporary art.

0101	Dawn Gavin	Seats (Total: 7)	
	F 10:00am - 1:30pm	Location: TBA	Lab

ARTT489A **Advanced Special Topics in Art; Perspectives in Art Theory: The Relationship between Discourse and Practice**

ARTT489A Advanced Special Topics in Art: Perspectives in Art Theory: The Relationship between Discourse and Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine	Seats (Total: 15)	
	Tu 4:00pm - 6:30pm	ASY 3219	

ARTT489B **Advanced Special Topics in Art; Performance, Art, and the Politics of Identity**

ARTT489B Advanced Special Topics in Art: Performance, Art, and the Politics of Identity; (3 credits) Grade Method: REG.
Also offered as THET609P.

0101	Jeffrey Pinder, Laurie Frederik Meer	Seats (Total: 10)	
	W 1:30pm - 4:30pm	PAC 3730	

ARTT489C **Advanced Special Topics in Art; Markets and Collecting**

ARTT489C Advanced Special Topics in Art: Markets and Collecting; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rex Weil	Seats (Total: 15)	
	Th 10:00am - 12:30pm	ARC 1101	

ARTT489F **Advanced Special Topics in Art; Explorations in Digital Photography**

ARTT489F Advanced Special Topics in Art: Explorations in Digital Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 and ARTT354. Students must pay a $40.00 studio lab fee. Digital camera required.

0101	Sora Devore	Seats (Total: 5)	
	MW 12:30pm - 3:00pm	CSS 1410	Lab

ARTT489I **Advanced Special Topics in Art; Digital Imaging**

ARTT489I *(PermReq)* **Advanced Special Topics in Art: Digital Imaging; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	Lab

0201	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT489K **Advanced Special Topics in Art; tbd**
Contact department for information to register for this course.

ARTT489R **Advanced Special Topics in Art; New Media**
Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT498I **Directed Studies in Studio Art; Animation, Editing, & Special Effects**
Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

ARTT698C Directed Graduate Studies in Studio Art: Graduate Teaching Practicum; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD.
Students must pay a $60.00 laboratory studio fee.

0101	Hasan Elahi	Seats (Total: 20)
	W 6:00pm - 9:00pm	ASY 3217

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Fall 2010

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit for ASTR100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. CORE Physical Science Non-Laboratory (PS) Course. CORE Physical Science Laboratory (PL) Course when taken concurrently with ASTR 111. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae, galaxies, evolution. Discussion sections do not meet the first week. Attend lecture before coming to discussion section.

0101	Stacy McGaugh TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0102	Stacy McGaugh TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0103	Stacy McGaugh TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

0104	Stacy McGaugh TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0105	Stacy McGaugh TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0106	Stacy McGaugh TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0107	Stacy McGaugh TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0204	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0205	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion

ASTR101 General Astronomy

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Credit for ASTR101 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment. Discussion sections and lab sections do not meet the first week of classes. Attend lecture before coming to discussion or lab sections.

0101	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Tu 5:30pm - 7:30pm	CSS 1109	Lab
	Tu 3:30pm - 4:20pm	CSS 2400	Discussion
0102	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	W 8:30am - 10:30am	CSS 1109	Lab
	Tu 3:30pm - 4:20pm	CSS 2400	Discussion
0103	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	F 10:00am - 12:00pm	CSS 1109	Lab
	W 9:00am - 9:50am	CSS 2400	Discussion
0104	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	F 1:00pm - 3:00pm	CSS 1109	Lab
	W 9:00am - 9:50am	CSS 2400	Discussion
0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	W 11:00am - 1:00pm	CSS 1109	Lab
	W 10:00am - 10:50am	CSS 2400	Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Th 3:30pm - 5:30pm	CSS 1109	Lab
	W 10:00am - 10:50am	CSS 2400	Discussion

0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 1:00pm - 3:00pm W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0109	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0110	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

ASTR120 **Introductory Astrophysics - Solar System**

ASTR120 Introductory Astrophysics - Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH115. Not open to students who have completed ASTR100 or ASTR101. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. For students majoring in astronomy or with a strong interest in science. Topics include development of astronomy, planetary orbits, electromagnetic radiation, telescopes as well as constituents and origin of the solar system (planets, satellites, comets, asteroids, meteoroids, etc.).

0101	Derek Richardson	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	CSS 2428 CSS 2428	 Discussion

ASTR220 **Collisions in Space**

ASTR220 Collisions in Space; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to astronomy majors. Appropriate for non-science majors. Application of scientific method to the study of collisions in space. Impact cratering on planets and satellites. Possible implications for the Earth. Interactions between stars and galaxies. Possible effects due to supermassive black holes. Events like the 1994 comet crash on Jupiter and data from the Hubble Space Telescope will be highlighted.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion
0102	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288C **Special Projects in Astronomy; Astronomy Research Techniques**

ASTR288C *(PermReq)* **Special Projects in Astronomy: Astronomy Research Techniques; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Loewenstein, Tracy Huard M 3:30pm - 5:15pm	Seats (Total: 10) CSS 0201	

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes. Designed primarily for non-physical science majors. Junior standing.

0101	Rob Olling	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2428

ASTR310 **Observational Astronomy**

ASTR310 Observational Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR121; PHYS171 or PHYS161; or permission of department. For ASTR majors only.* Introduction to current optical observational techniques, with brief coverage of infrared, ultraviolet, and x-ray techniques. Statistics, spherical trigonometry time, catalogs, geometrical and physical optics, telescopes, and optical instruments. Effects of the atmosphere. Practical work at the observatory using a CCS camera. Some nighttime observing sessions.

0101	James Harrington	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 2428

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Alan Peel	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	CSS 2400

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of the CORE Distributive Studies requirement in Mathematics and the Sciences or permission of department.* Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Christopher Reynolds	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD.
Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department. Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Sylvain Veilleux	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR415 **Computational Astrophysics**

ASTR415 Computational Astrophysics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Recommended: computer programming knowledge. For ASTR majors only. Credit will be granted for only one of the following: ASTR498C or ASTR415. Formerly ASTR498C.* Introduction to the most important computational techniques being used in research in astrophysics. Topics include modern high performance computer architectures, scientific visualization and data analysis, and detailed descriptions of numerical algorithms for the solution to a wide range of mathematical systems important in astrophysics.

0101	Massimo Ricotti	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 2428

ASTR480 **High Energy Astrophysics**

ASTR480 High Energy Astrophysics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ASTR121; and either PHYS270 & PHYS271 (Formerly PHYS263) or PHYS273. Recommended: ASTR320.* The structure, formation, and astrophysics of compact objects, such as white dwarfs, neutron stars, and black holes, are examined. Phenomena such as supernovae and high-energy particles are also covered.

0101	RIchard Mushotzky	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CSS 0201

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR601 **Radiative Processes**

ASTR601 *(PermReq)* **Radiative Processes; (3 credits)** Grade Method: REG/AUD. *Prerequisite: permission of department.* Emission, absorption, and scattering of radiation by matter, with astrophysical applications. Thermodynamics and statistical mechanics: LTE, Boltzmann, and Saha equations; radiative transfer; atomic and molecular radiation; plasma radiation and transfer: bremsstrahlung, synchrotron emission, Compton scattering.

0101	Eve Ostriker	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR610 **Astronomical Instrumentation and Techniques**

ASTR610 Astronomical Instrumentation and Techniques; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Review of Maxwell's equations; designs of telescopes, spectrographs, modern detectors; basic concepts for radio detectors and telescopes; interferometry and data processing.

0101	Andrew Harris	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR630 **Planetary Science**

ASTR630 Planetary Science; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ASTR630 or ASTR688P. Formerly ASTR688P. The science of our planetary system with an emphasis on the aspects of it, that help us understand the origin of the system and thus the relevance to other planetary systems. Topics will include planetary atmospheres, surfaces, and interiors and the small bodies of the solar system (asteroids, comets, Kuiper-belt objects). We will consider the dynamics of these bodies and the physics and chemistry of these bodies.

0101	Douglas Hamilton	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSS 0201

ASTR688Q **Special Topics in Modern Astronomy; Cometary Science**

ASTR688Q Special Topics in Modern Astronomy: Cometary Science; (3 credits) Grade Method: REG/AUD.

0101	Michael A'Hearn	Seats (Total: 10)
	Contact instructor or department for details.	

ASTR695 **Introduction to Research**

ASTR695 Introduction to Research; (1 credit) Grade Method: S-F.
Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Douglas Hamilton	Seats (Total: 20)
	M 5:00pm - 6:00pm	CSS 1248

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR788 **Selected Topics in Modern Astronomy**

ASTR788 *(PermReq)* **Selected Topics in Modern Astronomy; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Fall 2010

BCHM461 Biochemistry I

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM261 or BCHM463. Credit will be granted for only one of the following: BCHM261, BCHM461, or BCHM463. First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Vitali Tugarinov TuTh 9:30am - 10:45am	Seats (Total: 126) EGR 1202
0103	Nicole LaRonde TuTh 12:30pm - 1:45pm	Seats (Total: 115) CHM 1402

BCHM462 Biochemistry II

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BCHM461. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed BCHM463. Credit will be granted for only one of the following: BCHM462 or BCHM463. A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	George Lorimer TuTh 9:30am - 10:45am	Seats (Total: 95) CHM 1402

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM461 or BCHM462. Credit will be granted for only one of the following: BCHM463 or {BCHM461 or BCHM462}.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	James Watson MWF 11:00am - 11:50am	Seats (Total: 110) CHM 1402
0103	Douglas Julin MWF 12:00pm - 12:50pm	Seats (Total: 100) CSS 2324
SEF1	Sandra Fox-Moon M 6:30pm - 9:30pm	Seats (Total: 35) MCB 1207
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.	
SG91	Thomas Stanton MWF 9:30am - 10:20am	Seats (Total: 50) BLD2 3052
	Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Contact stanton3@umd.edu for permission.	

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM465. BCHM, CHEM and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 laboratory materials fee.

0101	James Watson	Seats (Total: 18)	
	Th 12:30pm - 5:30pm	CHM 2225	Lab
	Tu 12:30pm - 1:20pm	CHM 1224	Discussion
0102	James Watson	Seats (Total: 18)	
	W 1:00pm - 6:00pm	CHM 2225	Lab
	Tu 12:30pm - 1:20pm	CHM 1224	Discussion

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students.. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Theodore Dayie	Seats (Total: 80)
	TuTh 8:00am - 9:15am	CHM 1402

BCHM661 **Nucleic Acids I**

BCHM661 Nucleic Acids I; (2 credits) Grade Method: REG/AUD.

0101	Paul Paukstelis, Jason Kahn	Seats (Total: 34)
	Meets August 30, 2010 - October 17, 2010	
	TuTh 3:30pm - 5:30pm	BIO 2118

BCHM662 **Nucleic Acids II**

BCHM662 Nucleic Acids II; (2 credits) Grade Method: REG/AUD.

0101	Paul Paukstelis, Jason Kahn	Seats (Total: 30)
	Meets October 18, 2010 - December 12, 2010	
	TuTh 3:30pm - 5:30pm	MTH 0303

BCHM671 **Protein Chemistry and Enzymic Catalysis**

BCHM671 Protein Chemistry and Enzymic Catalysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM 416 or equivalent. Principles of protein structure, folding, and function, experimental characterization of structure, active sites, enzyme mechanisms and kinetics.

0101	Barbara Gerratana	Seats (Total: 40)
	TuTh 9:30am - 10:50am	BSB 2118

BCHM698 **Literature Seminar in Biochemistry**

BCHM698 Literature Seminar in Biochemistry; (1 credit) Grade Method: REG.

0101	Douglas Julin	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1 credit) Grade Method: REG/AUD.

0101	Catherine Fenselau	Seats (Total: 40)
	Tu 11:00am - 11:50am	Location: TBA

BCHM889C **Seminar; Allostery in DNA Binding**

BCHM889C *(PermReq)* **Seminar: Allostery in DNA Binding; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889D **Seminar; Enzymology Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889F **Seminar; Antimicrobial Peptides**

BCHM889F *(PermReq)* **Seminar: Antimicrobial Peptides; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889J **Seminar; Nucleic Acid Structures**

BCHM889J *(PermReq)* **Seminar: Nucleic Acid Structures; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1-3 credits) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 40)
	Contact instructor or department for details.	

BCHM889P **Seminar; Structure and Reactivity of Biopolymers**

BCHM889P *(PermReq)* **Seminar: Structure and Reactivity of Biopolymers; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics — Fall 2010

BEES608A **Seminar in Behavior, Ecology, Evolution and Systematics; Introduction to BEES**

BEES608A Seminar in Behavior, Ecology, Evolution and Systematics: Introduction to BEES; (1 credit) Grade Method: REG/AUD.
Survey of major research areas within Behavior, Ecology, Evolution and Systematics. Lecture will be given by members of BEES faculty who specialize in the different topics. In discussion, students will consider recent research papers, discuss analyses and experimental designs, or perform exercises relevant to the topic of the week.

0101	Sara Via	Seats (Total: 20)
	WF 12:00pm - 1:00pm	BPS 1230

BEES608P **Seminar in Behavior, Ecology, Evolution and Systematics; Paleobiology**

BEES608P Seminar in Behavior, Ecology, Evolution and Systematics: Paleobiology; (2 credits) Grade Method: REG/AUD.

0101	Scott Wing, Charles Mitter	Seats (Total: 15)
	F 10:00am - 12:00pm	BPS 2249

BEES799 **Master's Thesis Research**

BEES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES898 **Pre-Candidacy Research**

BEES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

BEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Fall 2010

BIOE100 **Introductory Mathematics for Engineering Applications**
Contact department for information to register for this course.

BIOE120 **Biology for Engineers**

BIOE120 *(PermReq)* **Biology for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: permission of department. Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated. Students will be introduced to the functions and interactions of biological systems from a quantitative perspective. They will also be encourage d to solve problems through active inquiry, critical analysis,and creat ivity. Finally, roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Sameer Shah TuTh 9:30am - 10:45am	Seats (Total: 115) BPS 1243	

BIOE121 **Biology for Engineers Laboratory**

BIOE121 Biology for Engineers Laboratory; (1 credit) Grade Method: REG/P-F/AUD.

For BIOE majors only. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Jose Aranda-Espinoza Tu 8:00am - 9:15am W 8:00am - 9:30am	Seats (Total: 18) KEB 1110 CHE 1145	Lab
0102	Jose Aranda-Espinoza Tu 8:00am - 9:15am W 3:00pm - 4:30pm	Seats (Total: 18) KEB 1110 CHE 1145	Lab
0103	Jose Aranda-Espinoza Tu 8:00am - 9:15am F 8:00am - 9:30am	Seats (Total: 18) KEB 1110 CHE 1145	Lab
0104	Jose Aranda-Espinoza Tu 8:00am - 9:15am F 3:00pm - 4:30pm	Seats (Total: 18) KEB 1110 CHE 1145	Lab

BIOE150 **Applied Ethics and Public Policy in Bioengineering**

BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Also offered as HONR288L. Credit will be granted for only one of the following: BIOE150 or HONR288L. Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

0101	Glenn Rahmoeller	Seats (Total: 34)	
	W 2:00pm - 4:30pm	JMP 1202	

BIOE241 **Biocomputational Methods**

BIOE241 *(PermReq)* **Biocomputation Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: BIOE241 or ENBE241. Formerly ENBE241. Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas	Seats (Total: 40)	
	MWF 4:00pm - 4:50pm	KEB 2111	

BIOE331 **Biofluids**

BIOE331 *(PermReq)* **Biofluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME232, ENME320, BIOE232 or permission of department. For BIOE majors only. Also offered as ENME331. Credit will be granted for only one of the following: BIOE331 ENCE305, or ENME331. Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Kenneth Kiger, Ilias Balaras	Seats (Total: 33)	
	MW 12:00pm - 12:50pm	EGR 1202	
	Tu 1:00pm - 2:50pm	CSS 1113	Lab

0102	Ilias Balaras, Kenneth Kiger MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 EGR 0135	 Lab
0103	Ilias Balaras, Kenneth Kiger MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 CSS 1113	 Lab
0104	Ilias Balaras, Kenneth Kiger MW 12:00pm - 12:50pm M 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 EGR 0110	 Lab
0105	Ilias Balaras, Kenneth Kiger MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 CHM 0127	 Lab
0201	Frederick Gallant Contact instructor or department for details.	Seats (Total: 10)	

BIOE340 **Modeling Physiological Systems and Lab**

BIOE340 *(PermReq)* **Modeling Physiological Systems and Lab; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120 and BIOE121. Credit will be granted for only one of the following: BIOE340 or (BSCI440 and BSCI441). Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.

0101	John Fisher TuTh 3:30pm - 4:45pm Th 4:45pm - 6:30pm	Seats (Total: 60) CSS 2324 Location: TBA	 Lab

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE404 **Biomechanics**

BIOE404 *(PermReq)* **Biomechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BIOE120, BIOE121, ENES100, ENES102, and ENES220. For BIOE majors only.* Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Adam Hsieh	Seats (Total: 30)	
	MWF 10:00am - 10:50am	JMP 3216	

BIOE425 **Mechanical Properties of Biological Tissues**

BIOE425 *(PermReq)* **Mechanical Properties of Biological Tissues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and MATH241. An exploration of mechanical properties of living biological tissues; including hard and soft tissues. Coverage will include all the traditional mechanical properties applied to biological tissues, including: stress-strain behavior, elastic, viscoelastic, thermomechanical, fracture, fatigue, etc. Additionally, alteration of mechanical properties of living tissues due to disease, development, growth, and remodeling will be covered.

0101	Jafar Vossoughi	Seats (Total: 20)	
	Tu 6:00pm - 8:30pm	ANS 0408	

BIOE455 **Basic Electronic Design**

BIOE455 Basic Electronic Design; (3 credits) Grade Method: REG.
Prerequisite: PHYS142 or equivalent; MATH246, and BIOE241. Credit will be granted for only one of the following: BIOE455 or ENBE455. Formerly ENBE455.
Familiarization with basic electronic circuits and the ability to produce simple electronic designs.

0101	Ian White, Arthur Johnson	Seats (Total: 51)	
	Tu 12:30pm - 2:30pm	CHE 2108	
	Th 12:30pm - 2:30pm	ANS 0505	Lab

0102	Ian White, Arthur Johnson	Seats (Total: 24)	
	Tu 12:30pm - 2:30pm	CHE 2108	
	M 2:00pm - 3:50pm	ANS 0505	Lab

BIOE456 **Bioinstrumentation**

BIOE456 *(PermReq)* **Bioinstrumentation; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BIOE455; or permission of department. Credit will be granted for only one of the following: BIOE456 or ENBE456. Formerly ENBE456.* Study of biomedical instrumentation and biomedical equipment technology. How biomedical equipment is used to measure information from the human body. Hands-on experience with representative biomedical equipment.

0101	Yang Tao	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CHM 0119

BIOE471 **Biological Systems Control**

BIOE471 *(PermReq)* **Biological Systems Control; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE455; or permission of department. Credit will be granted for only one of the following: BIOE471 or ENBE471. Formerly ENBE471. Principles of control systems designed by biological engineers and analysis of control mechanisms found in biological organisms. Apparent control strategies used by biological systems will be covered.

0101	Benjamin Shapiro	Seats (Total: 60)	
	MW 1:00pm - 1:50pm	ANS 0408	
	F 1:00pm - 2:50pm	ANS 0408	Lab

BIOE485 **Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics**

BIOE485 Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE455. Senior standing. For BIOE majors only. Credit will be granted for only one of the following: BIOE485 or ENBE485. Formerly ENBE485. This is the first part of a two-semester senior capstone design course which covers principles involved in engineering design, design approaches, economics of design, ethics in engineering, and patent regulations. It also helps students learn team work and write design project proposals under the mentorship of a faculty advisor.

0101	Yang Tao	Seats (Total: 50)
	MW 11:00am - 12:15pm	CSS 1113

BIOE486 **Capstone Design II**

BIOE486 Capstone Design II; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BIOE485 taken in the immediately preceding semester. Senior standing. For BIOE majors only. Credit will be granted for only one of the following: BIOE486 or ENBE486. Formerly ENBE486. This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

2035	Gregory Payne	Seats (Total: 10)
	Contact instructor or department for details.	

BIOE489M **Special Topics in Bioengineering; Fundamentals of Cell Engineering**

BIOE489M Special Topics in Bioengineering: Fundamentals of Cell Engineering; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jose Aranda-Espinoza	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	CSI 2118

BIOE489W **Special Topics in Bioengineering; Fundamentals of Nanomechanics of Biomaterials**

BIOE489W Special Topics in Bioengineering: Fundamentals of Nanomechanics of Biomaterials; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 12) CHE 2145

BIOE601 **Biomolecular and Cellular Rate Processes**

BIOE601 Biomolecular and Cellular Rate Processes; (3 credits) Grade Method: REG/AUD.
Also offered as ENCH859B. Credit will be granted for only one of the following: BIOE 601 or ENCH 859B. Presentation of techniques for characterizing and manipulating non-linear biochemical reaction networks. Advanced topics to include mathematical modeling of the dynamics of biological systems; separation techniques for heat sensitive biologically active materials; and rate processes in cellular and biomolecular systems. Methods are applied to current biotechnological systems, some include: recombinant bacteria; plant insect and mammalian cells; and transformed cell lines.

0101	William Bentley TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 2103
BI01	William Bentley TuTh 9:30am - 10:45am	Seats (Total: 10) ONLINE

BIOE604 **Cellular and Physiological Transport Phenomena**

BIOE604 Cellular and Physiological Transport Phenomena; (3 credits) Grade Method: REG.
A study of transport processes, including momentum, energy and mass transport, relevant to biosystems at various scales from physiological to cellular systems. Transport leads to sets of partial differential equations and the course revolves around approaches to solving these equations to arrive at fundamental understanding of the physics of transport in biosystems.

0101	Keith Herold TuTh 5:00pm - 6:15pm	Seats (Total: 18) KEB 1200

BIOE605 **Laboratory Rotations I**

BIOE605 Laboratory Rotations I; (1 credit) Grade Method: REG.
For BIOE majors only. Provides the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn a wide variety of laboratory and/or computational techniques, become familiar with Bioengineering program faculty, and develop insight on personal research interests and direction. Laboratory rotations are required in Fall and Spring of the first year of the Ph.D. Program. BIOE605: Laboratory Rotations I will be held in the Fall semester. BIOE606: Laboratory Rotations II will be held in the Spring semester.

0101	Peter Kofinas	Seats (Total: 15)
	F 11:00am - 11:50am	CHE 2108

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD.
For BIOE majors only.

0101	Sameer Shah	Seats (Total: 20)
	F 11:00am - 11:50am	CHE 2108

BIOE625 **Advanced Mechanical Properties of Biological Tissues**

BIOE625 *(PermReq)* **Advanced Mechanical Properties of Biological Tissues; (3 credits)** Grade Method: REG/AUD.

0101	Jafar Vossoughi	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	ANS 0408

BIOE645 **Advanced Engineering Start Up Ventures**

BIOE645 Advanced Engineering Start Up Ventures; (3 credits) Grade Method: REG/AUD.
Covers principles and practices important to engineering startup ventures, especially those involving bioengineering and medical device enterprises, and includes the preparation of business plans and tools used to obtain funding.

0101	David Barbe	Seats (Total: 20)
	F 9:00am - 12:00pm	POT 2111

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689M **Special Topics in Bioengineering; Cell Engineering**

BIOE689M Special Topics in Bioengineering: Cell Engineering; (3 credits) Grade Method: REG.
Undergraduates (juniors and seniors) may take this course with instructo r's permission.

0101	Jose Aranda-Espinoza	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	CSI 2118

BIOE689N **Special Topics in Bioengineering; Bionanotechnology: Physical Principles**

BIOE689N Special Topics in Bioengineering: Bionanotechnology: Physical Principles; (3 credits) Grade Method: REG.
Also offered as ENCH648N.

0101	Srinivasa Raghavan	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	CHE 2108

BIOE689W **Special Topics in Bioengineering; Nanomechanics of Biomaterials**

BIOE689W Special Topics in Bioengineering: Nanomechanics of Biomaterials; (3 credits) Grade Method: REG.

0101	Joonil Seog	Seats (Total: 12)
	TuTh 11:00am - 12:15pm	CHE 2145

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL Biology Fall 2010

BIOL608B **Biology Seminar; Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Behavior Ecology; (1-2 credits)** Grade Method: REG.

0101	Gerald Borgia	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608K **Biology Seminar; Biological Sciences Teaching and Learning in Higher Education**

BIOL608K *(PermReq)* **Biology Seminar: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG.
Also offered as CBMG699K and ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 7)
	W 12:00pm - 1:30pm	BPS 1208

BIOL608Z **Biology Seminar; Key Ideas in Evolution**

BIOL608Z Biology Seminar: Key Ideas in Evolution; (2 credits) Grade Method: REG.

0101	Cristian Castillo-Davis	Seats (Total: 20)
	Th 3:00pm - 5:00pm	BRB 2210

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL620 **Cell Biology**

BIOL620 Cell Biology; (3 credits) Grade Method: REG/AUD.
Prerequisites: BSCI230/BSCI330/ZOOL211 or BCHM461, BSCI222/BIOL222, and CHEM233 or permission of instructor. Offered with laboratory as BSCI 421. Molecular basis of cell structure and function in eukaryotes.

0101	Michael Ma	Seats (Total: 12)	
	MWF 12:00pm - 12:50pm	BPS 1250	
	F 11:00am - 11:50am	BPS 1230	Discussion

BIOL622 **Membrane Transport Phenomena**

BIOL622 Membrane Transport Phenomena; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH220 and (BSCI230, BSCI330 or ZOOL421) or permission of instructor. Credit will be granted for only one of the following: BIOL622 or ZOOL622. Formerly ZOOL622. The fundamental phenomena related to solute movement in bulk solution and across interfaces. Examination of natural and artificial membrane transport systems, with emphasis placed on their mechanism of action. Click here for more course information.

0101	Marco Colombini	Seats (Total: 5)
	TuTh 4:00pm - 5:15pm	JMP 1202

BIOL671 **Molecular Evolution**

BIOL671 Molecular Evolution; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BIOL 671 or ZOOL 645. Formerly ZOOL645. Basic foundations through advanced concepts in molecular evolution, including patterns and processes of DNA sequence variation, transposable element dynamics, gene duplication and loss, and genome organization. Relevant concepts from genetics, biochemistry, and phylogenetics also will be covered.

0101	Michael Cummings TuTh 12:30pm - 1:45pm	Seats (Total: 15) BPS 1238	

BIOL701 **Teaching Biology**

BIOL701 Teaching Biology; (1 credit) Grade Method: S-F.
For LFSC graduate students only. Credit will be granted for only one of the following: BIOL 701 or ZOOL 701. Formerly ZOOL701. Introduction to instructional methods and strategies, University and College policies, and campus resources for new LFSC graduate teaching assistants.

0101	Jeffrey Jensen Tu 6:00pm - 8:00pm	Seats (Total: 20) BPS 1208	

BIOL708B **Advanced Topics in Biology; Principles of Animal Behavior**

BIOL708B Advanced Topics in Biology: Principles of Animal Behavior; (3 credits) Grade Method: REG.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1164	 Discussion

BIOL708C **Advanced Topics in Biology; Genomics of Sensory Systems**

BIOL708C Advanced Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG.

0101	Karen Carleton MW 2:00pm - 2:50pm	Seats (Total: 5) BPS 1230

BIOL708E **Advanced Topics in Biology; Diseases of the Nervous System**

BIOL708E Advanced Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG.

0101	Avis Cohen TuTh 2:00pm - 3:15pm	Seats (Total: 5) PLS 1117

BIOL708N **Advanced Topics in Biology; Mammalian Physiology**

BIOL708N Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Sergei Sukharev MWF 10:00am - 10:50am	Seats (Total: 5) BPS 1250

BIOL744 **Neurophysiology**

BIOL744 Neurophysiology; (3 credits) Grade Method: REG/AUD.
Prerequisites: BIOL 230/ZOOL 211, CHEM 233, and PHYS 122. The physiology of nerves, muscles, an sensory receptors, and aspects of central nervous system physiology.

0101	Richard Payne TuTh 12:30pm - 1:45pm	Seats (Total: 4) BPS 1250

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Fall 2010

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH113 or MATH115. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0102	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0103	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion
0104	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 28) JMZ 0220 ANS 0473	 Discussion

0105	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0107	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 12) JMZ 0220 ANS 0473	Discussion

BIOM405 **Computer Applications in Biometrics**

BIOM405 *(PermReq)* **Computer Applications in Biometrics; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOM402 or equivalent. An introduction to computer applications for data analysis. This is equivalent to the computer lab of 601 and is required for students that have taken BIOM 301 and BIOM402 and wish to go directly into BIOM602.

0101	Frank Siewerdt Contact instructor or department for details.	Seats (Total: 5)

BIOM601 **Biostatistics I**

BIOM601 Biostatistics I; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM 301, STAT 464 or equivalent. Not open to students who have completed BIOM 402. Credit will be granted for only one of the following: BIOM 401 or BIOM 601. Estimation and hypothesis testing, t tests, one and two way analysis of variance, regression, analysis of frequency data. Lecture will emphasize uses and limitations of these methods in biology, while the laboratory will emphasize the use of statistical analysis software for the analysis of biological data.

0101	Frank Siewerdt TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:00pm	Seats (Total: 27) ANS 0408 ANS 0473	Lab
0102	Frank Siewerdt TuTh 12:30pm - 1:45pm W 9:00am - 11:00am	Seats (Total: 27) ANS 0408 ANS 0473	Lab

0104	Frank Siewerdt	Seats (Total: 27)	
	TuTh 12:30pm - 1:45pm	ANS 0408	
	Th 2:00pm - 4:00pm	ANS 0473	Lab

BIOM621 **Applied Multivariate Statistics**

BIOM621 Applied Multivariate Statistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: BIOM 602. Recommended: BIOM 603. Not open to students who have completed BIOM 688B.* Brief review of matrix algebra, means, covariance matrices, multivariate normal, multivariate confidence ellipses, MANOVA, Discriminant Methods, Principal Component Analysis, Factor Analysis, Multidimensional Scaling, Cluster Analyses, and other topics, depending on student interest.

0101	Bahram Momen	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	COL 0105	

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH Biophysics Fall 2010

BIPH698L **Biophysics Seminar; Biophysics**

BIPH698L Biophysics Seminar: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)	
	M 4:00pm - 5:30pm	IPT 1116	

BIPH699 **Research in Biophysics**

BIPH699 Research in Biophysics; (2 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH898 **Pre-Candidacy Research**

BIPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

BIPH899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Fall 2010

BMGT110 **Introduction to Business and Management**

BMGT110 Introduction to Business and Management; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime. A survey of the field of business, including its environment, organization, overall and functional management and current issues and developments.

0101	Howard Frank	Seats (Total: 100)
	TuTh 12:30pm - 1:45pm	VMH 1524

BMGT110F **Introduction to Business and Mangement**

BMGT110F Introduction to Business and Mangement; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Restricted to Smith School's Freshman Fellows (FPFF).

FP01	Hugh Turner	Seats (Total: 35)
	MW 9:30am - 10:45am	VMH 1336

FP02	Hugh Turner MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1336
FP04	Richard Hutchins MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1336
FP05	Richard Hutchins MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1336
FP06	Hugh Turner TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1518
FP07	Gary Cohen TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1518
FP08	Gary Cohen TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1518
FP09	Hugh Turner TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1418

BMGT110M **Introduction to Business and Management**
Contact department for information to register for this course.

BMGT110S **Introduction to Business and Management**

BMGT110S Introduction to Business and Management; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Restricted to College Park Scholars in Business, Society, and the Economy.

0101	Jeff Miller MW 11:00am - 12:15pm	Seats (Total: 42) CCC 1205
0201	Jeff Miller MW 12:30pm - 1:45pm	Seats (Total: 42) CCC 1205

BMGT190H **Introduction to Design and Quality**

BMGT190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Prerequisite: permission of College. Also offered as ENES190. Credit will be granted for only one of the following: BMGT190 or ENES190.* Restricted to Quest Program students.

0101	Joseph Bailey	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	VMH 1333 VMH 1303	Discussion
0102	Joseph Bailey	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	VMH 1333 VMH 1307	Discussion

BMGT202 **Decision Models with Spreadsheets**

BMGT202 Decision Models with Spreadsheets; (3 credits) Grade Method: REG/P-F/AUD.
For BMGT majors only. The main objective is to teach how to solve problems arising in modern business environments using a spreadsheet application. The course will begin by teaching common tools available in popular spreadsheet applications. Then it will introduce the students to a variety of analytical problems arising in modern businesses and present ways in which these problems can be solved using spreadsheet applications. Restricted to BMGT majors with 24 credits completed.

0101	Yongjae Kim	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	VMH 1311	

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Open to all students with 24 credit hours completed.

0101	Progyan Basu	Seats (Total: 40)	
	TuTh 9:30am - 10:45am F 9:00am - 9:50am	VMH 1524 VMH 1206	Discussion

0102	Progyan Basu TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0103	Progyan Basu TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0104	Progyan Basu TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0105	Progyan Basu TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0201	Progyan Basu TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0202	Progyan Basu TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0203	Progyan Basu TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0204	Progyan Basu TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0205	Progyan Basu TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0301	Colin Linsley TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion

0302	Colin Linsley TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1307	Discussion
0303	Colin Linsley TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1307	Discussion
0304	Colin Linsley TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1307	Discussion
0305	Colin Linsley TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1307	Discussion
0401	Colin Linsley TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1412	Discussion
0402	Colin Linsley TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1412	Discussion
0403	Colin Linsley TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1412	Discussion
0404	Colin Linsley TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1412	Discussion
0405	Colin Linsley TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1412	Discussion

BMGT220H **Principles of Accounting I**

BMGT220H Principles of Accounting I; (3 credits) Grade Method: REG. Restricted to Honors students with 24 credit hours completed.

0101	Colin Linsley TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1412	

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed.

0101	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 40) TYD 0130 VMH 1411	Discussion
0102	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 40) TYD 0130 VMH 1411	Discussion
0103	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 40) TYD 0130 VMH 1411	Discussion
0104	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 40) TYD 0130 VMH 1411	Discussion
0105	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 40) TYD 0130 VMH 1411	Discussion
0201	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 20) VMH 1528 VMH 1330	Discussion
0202	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 21) VMH 1528 VMH 1330	Discussion

0203	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 28) VMH 1528 VMH 1330	 Discussion
0204	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 25) VMH 1528 VMH 1330	 Discussion
0205	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 34) VMH 1528 VMH 1330	 Discussion

BMGT221H **Principles of Accounting II**

BMGT221H Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Restricted to Honors students with 24 credit hours completed.

0101	Lei Zhou TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG. *Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors.

0101	Radu Lazar MW 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 COL 0100	 Discussion

0102	Radu Lazar MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 21) VMH 1524 COL 0100	Discussion
0103	Radu Lazar MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 COL 0100	Discussion
0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 17) VMH 1524 COL 0100	Discussion
0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 23) VMH 1524 COL 0100	Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 20) VMH 1524 COL 0100	Discussion
0107	Radu Lazar MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 30) VMH 1524 COL 0113	Discussion
0201	Radu Lazar MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0203	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion

0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 17) VMH 1524 VMH 1314	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 17) VMH 1524 VMH 1314	Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 20) VMH 1524 VMH 1314	Discussion
0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 22) VMH 1212 VMH 1418	Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 18) VMH 1212 VMH 1418	Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 15) VMH 1212 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 15) VMH 1212 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1212 VMH 1418	Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1212 VMH 1418	Discussion
0307	Radu Lazar MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1212 VMH 1418	Discussion

BMGT230B Business Statistics

BMGT230B Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to BMGT majors.

0102	Radu Lazar MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 11) VMH 1524 COL 0100	Discussion
0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 0100	Discussion
0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 9) VMH 1524 COL 0100	Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 12) VMH 1524 COL 0100	Discussion
0107	Radu Lazar MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 2) VMH 1524 COL 0113	Discussion
0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 VMH 1314	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 VMH 1314	Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 12) VMH 1524 VMH 1314	Discussion
0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 1) VMH 1212 VMH 1418	Discussion

0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 4) VMH 1212 VMH 1418	Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 12) VMH 1212 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 15) VMH 1212 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1212 VMH 1418	Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 12) VMH 1212 VMH 1418	Discussion
0307	Radu Lazar MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1212 VMH 1418	Discussion

BMGT230H **Business Statistics**

BMGT230H Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to Honors students.

0101	Kazim Ruhi MW 9:30am - 10:45am	Seats (Total: 35) VMH 1303	

BMGT289I **Why Good Managers Make Bad Decisions**

BMGT289I Why Good Managers Make Bad Decisions; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Mark Wellman MW 5:00pm - 6:15pm	Seats (Total: 49) VMH 1333

BMGT289J **Exploring Leadership: Are Hidden Forces at Work?**

BMGT289J Exploring Leadership: Are Hidden Forces at Work?; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	James Spina F 1:00pm - 4:00pm	Seats (Total: 45) VMH 1528

BMGT298A **Social Enterprise: Changing the World through Innovation and Transformative Action**

BMGT298A Social Enterprise: Changing the World through Innovation and Transformative Action; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Amanda Antico-Majkowski, Melissa Carrier TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 2505

BMGT298F **Special Topics in Business and Management; Freshman Fellows Colloquium**

BMGT298F Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit) Grade Method: REG.
Restricted to Smith School's Freshman Fellows (FPFF).

FP01	Vinod Jain Tu 9:30am - 10:45am	Seats (Total: 38) VMH 2203
FP02	Vinod Jain Tu 11:00am - 12:15pm	Seats (Total: 38) VMH 2203

FP03	Koki Nagata **Meets August 30, 2010 - November 3, 2010** W 3:30pm - 4:45pm	Seats (Total: 38) VMH 1511
FP04	Vinod Jain Tu 2:00pm - 3:15pm	Seats (Total: 38) VMH 2203
FP05	Koki Nagata W 9:30am - 10:45am	Seats (Total: 38) VMH 2203
FP06	Koki Nagata W 11:00am - 12:15pm	Seats (Total: 38) VMH 2203
FP07	Koki Nagata W 2:00pm - 3:15pm	Seats (Total: 38) VMH 2203

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree. For BMGT majors only.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool. Restricted to BMGT majors with 53 credits completed.

0101	Xiaoqing Wang MW 9:30am - 10:45am	Seats (Total: 60) VMH 1412
0201	Peng Huang MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1412
0301	Brad Greenwood TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1303

0401	Peng Huang TuTh 12:30pm - 1:45pm	Seats (Total: 60) VMH 1303
0501	Xiaoqing Wang MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1333
0601	David McCue MW 5:00pm - 6:15pm	Seats (Total: 60) VMH 1412
0701	David McCue M 7:00pm - 9:40pm	Seats (Total: 60) VMH 1303

BMGT301F **Introduction to Information Systems**

BMGT301F Introduction to Information Systems; (3 credits) Grade Method: REG. *CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree. For BMGT majors only.* Restricted to second year students in the Smith School's Freshman Fellow s program with 45 credits.

FP01	Guodong Gao MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1412
FP02	Guodong Gao MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1412

BMGT302 **Developing Business Applications**

BMGT302 Developing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of department. Not open to Computer Science majors and Computer Science majors will not receive credit. For BMGT majors only.* The course provides a structured approach to business application development and programming. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

0101	Peter Weiss TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab
0201	Peter Weiss MW 3:30pm - 4:45pm Th 6:00pm - 6:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab
0301	Peter Weiss MW 12:30pm - 1:45pm Th 7:00pm - 7:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0101	Sandra Rose TuTh 9:30am - 10:45am *Restricted to Accounting or Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1335
0201	Stephen Brown MW 11:00am - 12:15pm *Restricted to Accounting or Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1411
0301	Stephen Brown MW 12:30pm - 1:45pm *Restricted to Accounting or Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1411
0401	Stephen Brown MW 3:30pm - 4:45pm *Restricted to Accounting or Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1333
0501	James McKinney TuTh 12:30pm - 1:45pm *Restricted to Accounting or Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1411

SG91	Leslie Mostow TuTh 9:30am - 10:45am	Seats (Total: 45) BLD3 4211
	Registration is restricted to BMGT-Shady Grove Accounting majors with fewer then 75 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Leslie Mostow TuTh 11:00am - 12:15pm	Seats (Total: 45) BLD3 4211
	Registration is restricted to BMGT-Shady Grove Accounting majors with fewer than 75 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Continuation of BMGT310. Restricted to accounting majors with 60 credit hours completed.

0101	Sandra Rose TuTh 2:00pm - 3:15pm	Seats (Total: 43) VMH 1336
0201	Sandra Rose TuTh 3:30pm - 4:45pm	Seats (Total: 43) VMH 1336
0301	Sandra Rose MW 2:00pm - 3:15pm	Seats (Total: 43) VMH 1206
0401	Sandra Rose MW 3:30pm - 4:45pm	Seats (Total: 43) VMH 1206

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users. Restricted to Accounting and Finance majors with 53 credits completed.

0101	Gary Bulmash MW 9:30am - 10:45am	Seats (Total: 35) VMH 1415

BMGT313F **Financial Statement Analysis**

BMGT313F Financial Statement Analysis; (3 credits) Grade Method: REG.
Prerequisite: BMGT221.

FP01	Gary Bulmash MW 2:00pm - 3:15pm *Restricted to Emerging CFOs Fellows (FPEC).*	Seats (Total: 35) VMH 1415
FP02	Gary Bulmash MW 3:30pm - 4:45pm *Restricted to Financial Services Fellows (FPFS).*	Seats (Total: 35) VMH 1415

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making. Restricted to BMGT majors with 53 credit hours completed.

0101	Lei Zhou TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1202
0201	Lei Zhou TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1202
0301	Kendrall Hardy TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1303
0401	Kendrall Hardy TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1303

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.

0101	Gregory Pfeiffer MW 9:30am - 10:45am *Restricted to accounting majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1335
0201	Gregory Pfeiffer MW 11:00am - 12:15pm *Restricted to accounting majors with 53 credit hours completed.*	Seats (Total: 44) VMH 1335
0301	Gregory Pfeiffer MW 12:30pm - 1:45pm *Restricted to accounting majors with 53 credit hours completed.*	Seats (Total: 41) VMH 1335
0401	Leslie Mostow TuTh 3:30pm - 4:45pm *Restricted to accounting majors with 53 credit hours completed.*	Seats (Total: 38) VMH 1518
SG91	Jeffrey Milton TuTh 11:00am - 12:15pm *Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 4230
SG92	Alexander Ruygrok TuTh 12:30pm - 1:45pm *Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 4230

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221 and (BMGT301 or BMGT201). A study of accounting systems and computer and communications technology.

0101	Rachel Hall MW 11:00am - 12:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1206
0201	Rachel Hall MW 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1206
0301	Jodell Johnson M 7:00pm - 9:40pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1307
SG91	Rachel Hall TuTh 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 3230
SG92	Rachel Hall TuTh 11:00am - 12:15pm *Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 3230

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and Quest students with 53 credit hours completed.

0101	Kazim Ruhi TuTh 9:30am - 10:45am	Seats (Total: 50) VMH 1412
0201	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 50) VMH 1412

0301	Bruce Golden TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1412	
0401	Kazim Ruhi MW 2:00pm - 3:15pm	Seats (Total: 50) VMH 1202	

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

0101	Susan White MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 40) VMH 1524 VMH 3505	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0102	Susan White MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0103	Susan White MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		

0104	Susan White	Seats (Total: 42)	
	MW 2:00pm - 3:15pm F 11:00am - 11:50am	VMH 1524 VMH 3505	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0105	Susan White	Seats (Total: 42)	
	MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	VMH 1524 VMH 3505	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0106	Susan White	Seats (Total: 42)	
	MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	VMH 1524 VMH 3505	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0201	Susan White	Seats (Total: 38)	
	MW 3:30pm - 4:45pm F 8:00am - 8:50am	VMH 1524 VMH 1318	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0202	Susan White	Seats (Total: 28)	
	MW 3:30pm - 4:45pm F 9:00am - 9:50am	VMH 1524 VMH 1318	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0203	Susan White	Seats (Total: 38)	
	MW 3:30pm - 4:45pm F 10:00am - 10:50am	VMH 1524 VMH 1318	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		

0204	Susan White	Seats (Total: 38)	
	MW 3:30pm - 4:45pm F 11:00am - 11:50am	VMH 1524 VMH 1318	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0205	Susan White	Seats (Total: 38)	
	MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	VMH 1524 VMH 1318	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
0206	Susan White	Seats (Total: 38)	
	MW 3:30pm - 4:45pm F 1:00pm - 1:50pm	VMH 1524 VMH 1318	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other student should review their eligibility for BMGT340N. Friday discussions will only meet on September 10, 17, 25 and October 1.		
SG91	David Kass	Seats (Total: 60)	
	TuTh 9:30am - 10:45am	BLD3 3241	
	Registration is restricted to BMGT-Shady Grove Accounting and International Business majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG92	David Kass	Seats (Total: 60)	
	TuTh 11:00am - 12:15pm	BLD3 3241	
	Registration is restricted to BMGT-Shady Grove Accounting and International Business majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG93	David Kass	Seats (Total: 60)	
	TuTh 12:30pm - 1:45pm	BLD3 3241	
	Registration is restricted to BMGT-Shady Grove Marketing and Entrepreneurship majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT340H Business Finance

BMGT340H *(PermReq)* **Business Finance; (3 credits)** Grade Method: REG. *Prerequisites: BMGT221; and {BMGT230 or BMGT231}.* Restricted to BMGT Honors students with 53 credit hours completed.

0101	Vojislav Maksimovic MW 9:30am - 10:45am	Seats (Total: 35) VMH 1202	

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG. *Prerequisites: BMGT221; and {BMGT230 or BMGT231}.* Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed. Friday discussions will only meet on September 10, 17, 25 and October 1.

0202	Susan White MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 10) VMH 1524 VMH 1318	 Discussion

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to Finance majors with 60 credit hours completed.

0101	Anna Obizhaeva TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1307
0201	Anna Obizhaeva TuTh 11:00am - 12:15pm	Seats (Total: 41) VMH 1307
0301	Anna Obizhaeva TuTh 12:30pm - 1:45pm	Seats (Total: 41) VMH 1307
0401	Michael Lee MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

0101	Roxanne Lefkoff MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
0201	Roxanne Lefkoff MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1528
0301	Roxanne Lefkoff MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1330
0401	Diane Whitney TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 50) VMH 1333
0501	Diane Whitney TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
0601	Diane Whitney TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
0701	Diane Whitney TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
SG91	Henry Boyd MW 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 4202

SG92	Henry Boyd MW 11:00am - 12:15pm	Seats (Total: 60) BLD3 4202
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Henry Boyd MW 2:00pm - 3:15pm	Seats (Total: 60) BLD3 4202
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT350H **Marketing Principles and Organization**

BMGT350H *(PermReq)* **Marketing Principles and Organization; (3 credits)** Grade Method: REG.
Prerequisite: ECON200 or ECON205. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Roxanne Lefkoff TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1336

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. Restricted to agricultural and resource economics (0111C) and horticulture (0107C) majors with 53 credit hours completed.

0101	Diane Whitney TuTh 9:30am - 10:45am	Seats (Total: 10) VMH 1333

BMGT353 **Retail Management**

BMGT353 Retail Management; (3 credits) Grade Method: REG.
Prerequisites: BMGT220; and BMGT350. Planning and implementing retail marketing strategy. Store and nonstore (catalog, Internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. Restricted to BMGT majors with 60 credit hours completed.

0101	Jie Zhang TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1202	
0201	Jie Zhang TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202	
0301	Jie Zhang TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1202	

BMGT360 **Human Resource Management**

BMGT360 Human Resource Management; (3 credits) Grade Method: REG. The basic course in human resource management includes manpower planning, recruitment, selection, development, compensation and appraisal of employees. Explores the impact of scientific management and unionism on these functions.

0101	James Spina MW 11:00am - 12:15pm F 9:00am - 9:50am *Open to all students with 53 credit hours completed.*	Seats (Total: 31) VMH 1212 VMH 1415	Discussion
0102	James Spina MW 11:00am - 12:15pm F 10:00am - 10:50am *Open to all students with 53 credit hours completed.*	Seats (Total: 31) VMH 1212 VMH 1415	Discussion
0103	James Spina MW 11:00am - 12:15pm F 11:00am - 11:50am *Open to all students with 53 credit hours completed.*	Seats (Total: 31) VMH 1212 VMH 1415	Discussion
0104	James Spina MW 11:00am - 12:15pm F 12:00pm - 12:50pm *Open to all students with 53 credit hours completed.*	Seats (Total: 31) VMH 1212 VMH 1415	Discussion
0105	James Spina MW 11:00am - 12:15pm F 1:00pm - 1:50pm *Open to all students with 53 credit hours completed.*	Seats (Total: 31) VMH 1212 VMH 1415	Discussion

0106	James Spina MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 31) VMH 1212 VMH 1415	Discussion
	Open to all students with 53 credit hours completed.		
SG91	Gosia Langa TuTh 9:30am - 10:45am	Seats (Total: 45) BLD2 2042	
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT361 **Entrepreneurship: Starting and Managing the Entrepreneurial Venture**

BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture; (3 credits) Grade Method: REG.
For BMGT majors only. Not open to students who have completed BMGT261 or BMGT461. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Formerly BMGT261. Focuses on the early development of a new venture. Topics include: idea-getting, opportunity recognition, feasibility studies, new venture financing and startup. Guests speakers and practicing entrepreneurs offer real world guidance. Restricted to students admitted to the Smith Entrepreneurship Fellows Program. Registration is restricted to BMGT-Shady Grove Entrepreneirship majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Oliver Schlake Tu 2:00pm - 4:40pm	Seats (Total: 40) BLD3 4212	

BMGT362 **Labor Relations**
Contact department for information to register for this course.

BMGT363 **Leadership in Organizations**

BMGT363 Leadership in Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: BMGT363 or BMGT498D. Formerly BMGT498D. Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations. Restricted to BMGT majors with 53 credit hours completed.

0101	Myeong-Gu Seo MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1411	

BMGT364 **Management and Organization Theory**

BMGT364 Management and Organization Theory; (3 credits) Grade Method: REG. The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities.

0101	Mark Wellman MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1335	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0102	Mark Wellman MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 42) VMH 1524 VMH 1335	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0103	Mark Wellman MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 42) VMH 1524 VMH 1335	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0104	Mark Wellman MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 42) VMH 1524 VMH 1335	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0105	Mark Wellman MW 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 42) VMH 1524 VMH 1335	 Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		

0201	Mark Wellman	Seats (Total: 36)	
	MW 9:30am - 10:45am F 9:00am - 9:50am	VMH 1212 VMH 1336	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0202	Mark Wellman	Seats (Total: 36)	
	MW 9:30am - 10:45am F 10:00am - 10:50am	VMH 1212 VMH 1336	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0203	Mark Wellman	Seats (Total: 36)	
	MW 9:30am - 10:45am F 11:00am - 11:50am	VMH 1212 VMH 1336	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0204	Mark Wellman	Seats (Total: 36)	
	MW 9:30am - 10:45am F 12:00pm - 12:50pm	VMH 1212 VMH 1336	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
0205	Mark Wellman	Seats (Total: 36)	
	MW 9:30am - 10:45am F 1:00pm - 1:50pm	VMH 1212 VMH 1336	Discussion
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.		
SG91	Vijaya Venkataramani	Seats (Total: 60)	
	MW 8:00am - 9:15am	BLD3 3241	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG92	Vijaya Venkataramani	Seats (Total: 60)	
	MW 9:30am - 10:45am	BLD3 3241	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

SG93	Vijaya Venkataramani MW 11:00am - 12:15pm	Seats (Total: 60) BLD3 3241	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT364N **Management and Organization Theory**

BMGT364N Management and Organization Theory; (3 credits) Grade Method: REG.
Restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

0101	Mark Wellman MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 11) VMH 1212 VMH 1335	 Discussion

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG.
For BMGT majors only. An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year.

0101	Robert Raybits M 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528	
	Restricted to BMGT students with 45 credit hours completed.		
0201	Erin Richey Tu 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528	
	Restricted to BMGT students with 45 credit hours completed.		
0301	Ericka Brown W 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528	
	Restricted to BMGT students with 45 credit hours completed.		

0401	Tricia Giacone M 6:00pm - 6:50pm	Seats (Total: 115) VMH 1528
	Restricted to BMGT students with 45 credit hours completed.	
SG91	Susan Powell M 5:00pm - 5:50pm	Seats (Total: 100) BLD3 3241
	Registration is restricted to BMGT-Shady Grove non-accounting majors (0503G, 0503E, 0503I & 0503M) with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Angelique Rutsch W 5:00pm - 5:50pm	Seats (Total: 85) BLD3 3241
	Registration is restricted to BMGT-Shady Grove Accounting majors (0503A with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT majors with 53 credit hours completed.

0101	Philip Evers TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335
0201	Philip Evers TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1307

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits)
Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain. Restricted to BMGT majors with 53 credit hours completed.

0101	William McAdam TuTh 11:00am - 12:15pm	Seats (Total: 47) VMH 1206
0201	Jeff Miller MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1418
0301	Koray Ozpolat TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1206
0401	Jeff Miller MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1418

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0101	William McClenahan MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 50) VMH 1330
0201	Gideon Mark MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 60) VMH 1330

0301	William McClenahan TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1303
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0401	William McClenahan MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0501	William McClenahan TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0601	Richard Daniels TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
0701	Gideon Mark MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1330
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.	
SG91	Brian Nelson MW 9:30am - 10:45am	Seats (Total: 53) BLD3 4230
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Brian Nelson MW 11:00am - 12:15pm	Seats (Total: 53) BLD3 4230
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG93	Brian Nelson	Seats (Total: 53)
	MW 12:30pm - 1:45pm	BLD3 4230
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0101	William McClenahan	Seats (Total: 10)
	MW 9:30am - 10:45am	VMH 1330

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380 or permission of department. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan	Seats (Total: 60)
	TuTh 3:30pm - 4:45pm	VMH 1505

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm.

0101	Ali Pilehvar	Seats (Total: 45)
	MW 11:00am - 12:15pm	VMH 1528
	Restricted to BMGT majors and Quest students with 53 credit hours completed.	

BMGT385F **Operations Management**

BMGT385F Operations Management; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: BMGT385 or ENME426.* Restricted to Business Process Fellows (FPBP) and to BMGT majors and Quest students with 53 credit hours completed.

FP01	Kazim Ruhi MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as ENES390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly BMGT498X. Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 2505

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management. Restricted to BMGT majors with 53 credit hours completed.

0101	Peter Morici TuTh 3:30pm - 4:45pm	Seats (Total: 41) VMH 1418
0201	Peter Morici TuTh 5:00pm - 6:15pm	Seats (Total: 41) VMH 1418

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398C **Individual Study in Business and Management; Undergraduate Teaching Scholars Training**

BMGT398C *(PermReq)* **Individual Study in Business and Management: Undergraduate Teaching Scholars Training; (1 credit)** Grade Method: REG/P-F. Restricted to Accounting Teaching Scholars (FPTS).

0101	Gregory Pfeiffer	Seats (Total: 19)	
	Contact instructor or department for details.		

BMGT398M **Individual Study in Business and Management; Practicum in Team Management**

BMGT398M Individual Study in Business and Management: Practicum in Team Management; (2 credits) Grade Method: REG.
Restricted to QUEST Program students.

0101	Nicole Coomber	Seats (Total: 16)	
	M 5:00pm - 6:50pm	VMH 1411	

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined.
Restricted to BMGT majors with 72 credit hours completed.

0101	Catherine Anderson	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	VMH 1518	
	Tu 5:00pm - 5:50pm	VMH 1311	Lab
0201	Catherine Anderson	Seats (Total: 35)	
	MW 2:00pm - 3:15pm	VMH 1333	
	Tu 6:00pm - 6:50pm	VMH 1311	Lab

0301	Catherine Anderson TuTh 12:30pm - 1:45pm Tu 7:00pm - 7:50pm	Seats (Total: 35) VHM 2203 VMH 1311	 Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG. *Prerequisite: BMGT301 or equivalent. Recommended: BMGT302.* Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1311
0201	Hassan Ibrahim M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1311
0301	Hassan Ibrahim W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1311

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG. *Prerequisite: BMGT402 and BMGT403 For Information Systems-Business majors only. Senior standing.* Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1311

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.

Prerequisite: BMGT311. For accounting majors only. 86 semester hours. Analysis and discussion of issues relating to ethics and professionalism in accounting. Restricted to Accounting majors with 86 credit hours completed.

0101	Stephen Loeb MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1307
0201	Stephen Loeb MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1307
0301	Nile Webb MW 11:00am - 12:15pm	Seats (Total: 41) VMH 1307

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.

Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed. Restricted to Accounting majors with 84 credit hours completed.

0101	Eugene Cantor Tu 7:00pm - 9:40pm	Seats (Total: 45) VMH 1307
0201	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 45) VMH 1202

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.

Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions. Restricted to Accounting majors.

0101	James McKinney TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	James McKinney TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
0301	James McKinney TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to Accounting majors.

0101	Robert Kovarik TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418

BMGT428C **Special Topics in Accounting; Research for the Professional Accountant**

BMGT428C Special Topics in Accounting: Research for the Professional Accountant; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Accounting Majors. Prerequisite: BMGT 310, Recommend: BMGT 311 and BMGT 323

0101	James McKinney TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 1411

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231 or permission of department. Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed OR those in the Quantitative Finance Fellows Program (FPQF).

0101	Francis Alt TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1335

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or equivalent. Recommended: MATH221 or MATH141. For BMGT majors only.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and Quest students with 72 credit hours completed.

0101	Michael Ball MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335

BMGT435 **Business Process Simulation**

BMGT435 Business Process Simulation; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or equivalent. For BMGT majors only.* Develop and plan simulation studies, build simulation models with special purpose software, analyze and interpret the results. Extensive use of applications and real-world examples. The emphasis is on model formulation and the interpretation of results, rather than mathematical theory. Restricted to BMGT majors with 60 credits completed.

0101	Kazim Ruhi TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 68 credit hours completed.

0101	Susan White MW 9:30am - 10:45am	Seats (Total: 40) VMH 1206
0201	Elinda Kiss TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1206
0301	Elinda Kiss TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1206
0401	David Kass MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1202
0501	David Kass MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1411

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Joseph Perfetti MW 11:00am - 12:15pm	Seats (Total: 45) VMH 3505
0201	Joseph Perfetti MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 3505
0301	Joseph Perfetti MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Credit will be granted for only one of the following: BMGT444 and MATH424. The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to Finance majors with 84 credit hours completed.

0101	Joseph Rinaldi M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1202
0201	Joseph Rinaldi TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1303

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to Finance majors with 84 credit hours completed.

0101	Elinda Kiss MW 12:30pm - 1:45pm	Seats (Total: 47) VMH 1418
0201	Elinda Kiss TuTh 11:00am - 12:15pm	Seats (Total: 46) VMH 1330

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm. Restricted to Finance and International Business majors with 72 credit hours completed.

0101	Anshuman Sinha MW 9:30am - 10:45am	Seats (Total: 40) VMH 1307
0201	Anshuman Sinha MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1418

0301	Michael Lee TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1336
0401	Michael Lee TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1336

BMGT448A **Special Topics in Finance; Fixed Income**

BMGT448A Special Topics in Finance: Fixed Income; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Finance majors with 72 credits completed. Prerequisite: BMGT340.

0101	Mark Taranto MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1412

BMGT448B **Special Topics in Finance; Private Equity and Venture Capital**

BMGT448B *(PermReq)* **Special Topics in Finance: Private Equity and Venture Capital; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Private Equity and Venture Capital Fellows. There will be occasional course activities between 9am and 12pm on Fridaysthroughout the semester. Students are expected to keep their course schedule open from 9am - 12pm on Fridays.

FP01	Mark Grovic Tu 12:30pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) VMH 2511

BMGT449F **Investment Fund Management: Lemma Senbet Fund**

BMGT449F Investment Fund Management: Lemma Senbet Fund; (3 credits) Grade Method: REG.
Restricted to Lemma Senbet Fund Fellows (FPSF).

FP01	Sarah Kroncke TuTh 11:00am - 1:00pm	Seats (Total: 12) VMH 4534

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354. In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

0201	Katherine Boyle TuTh 2:00pm - 3:15pm *Restricted to BMGT students with 60 credit hours complete.*	Seats (Total: 38) VMH 1307

BMGT450F **Integrated Marketing Communications**

BMGT450F Integrated Marketing Communications; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354. Restrcited to Music Management Fellows (FPMM).

FP01	Katherine Boyle TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1206

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221. Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers. Restricted to Marketing majors with 68 credit hours completed.

0101	Jordan Etkin MW 9:30am - 10:45am	Seats (Total: 35) VMH 1418
0201	Rebecca Hamilton MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314

0301	Heather Johnson MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1335

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 and BMGT350.* Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results.

0101	Tao Chen MW 12:30pm - 1:45pm *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 50) VMH 1336
0301	Tao Chen MW 11:00am - 12:15pm *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 50) VMH 1303
SG91	Tao Chen TuTh 12:30pm - 1:45pm *Registration is restricted to BMGT-Shady Grove Marketing majors (0503M) with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 31) BLD2 3062

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG. *Prerequisite: BMGT350.* Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.

0101	Amna Khawaja MW 3:30pm - 4:45pm *Restricted to BMGT majors with 72 credit hours completed.*	Seats (Total: 45) VMH 1303

SG91	Simon Bensimon TuTh 11:00am - 12:15pm	Seats (Total: 45) BLD3 3219
	Registration is restricted to BMGT-Shady Grove Marketing majors (0503M) with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Simon Bensimon TuTh 12:30pm - 1:45pm	Seats (Total: 45) BLD3 3219
	Registration is restricted to BMGT-Shady Grove International Business majors (0503I) with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to BMGT majors with 60 credit hours completed.

0101	Richard Newman TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1314

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving. Restricted to Marketing majors with 100 credit hours completed.

0101	Roxanne Lefkoff TuTh 11:00am - 12:15pm	Seats (Total: 32) VMH 1415

0201	Mary Harms MW 3:30pm - 4:45pm	Seats (Total: 32) VMH 1307

BMGT458B **Special Topics in Marketing; Design Applications in Marketing and Branding**

BMGT458B Special Topics in Marketing: Design Applications in Marketing and Branding; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Design and Innovation in Marketing Fellows (FPDM).

FP01	Howard Bomstein M 6:30pm - 9:00pm	Seats (Total: 35) VMH 1333

BMGT458C **Special Topics in Marketing; Service Marketing**

BMGT458C Special Topics in Marketing: Service Marketing; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT350. Restricted to BMGT majors with 60 credit hours c ompleted.

0101	Janet Wagner TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1418

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

0101	Wei Guo Tu 7:00pm - 9:40pm *Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT 461N.*	Seats (Total: 20) VMH 1303

SG91	Oliver Schlake Th 2:00pm - 4:40pm	Seats (Total: 45) BLD3 4212
	Registration is restricted to BMGT-Shady Grove non-Entrepreneurship majors (0503A, 0503I & 0503M) with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Open to all non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT 461.

0101	Wei Guo Tu 7:00pm - 9:40pm	Seats (Total: 23) VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG.
For BMGT majors only. Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.

0101	Gosia Langa M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1206
	Restricted to International Business majors (0503I) with 72 credit hour completed.	
SG91	Gosia Langa TuTh 12:30pm - 1:45pm	Seats (Total: 40) BLD2 2042
	Registration is restricted to BMGT-Shady Grove Entrepreneurship majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Gosia Langa TuTh 2:00pm - 3:15pm	Seats (Total: 40) BLD2 2042
	Registration is restricted to BMGT-Shady Grove International Business majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT465 **Business Plan For The New Venture**

BMGT465 Business Plan For The New Venture; (3 credits) Grade Method: REG. *Prerequisite: BMGT361 or BMGT461.* Each student focuses on the production of a business plan that will be accepted for an annual business plan competition. Business plans of sufficient quality may be submitted to attract financing. Topics include a deep review of business construction and its derivative short forms. Registration is restricted to BMGT-Shady Grove Entrepreneurship majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Oliver Schlake	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	BLD3 4212
	Registration is restricted to Entrepreneurship (0503E) business majors with 86 credits at Shady Grove. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG. *For BMGT majors only.* Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network. Restricted to International Business majors (0503I) with 72 credit hours completed.

0101	Paulo Prochno	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	VMH 1330

BMGT468G **Special Topics in Management and Organization; Global Management Consulting**
Contact department for information to register for this course.

BMGT470 **Carrier Management**

BMGT470 Carrier Management; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BMGT370.* The study of the wide range of issues facing managers in transportation. This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined. Restricted to Supply Chain Management majors.

0101	Thomas Corsi TuTh 2:00pm - 3:15pm	Seats (Total: 30) VMH 3522

BMGT471F **Seminar in Supply Chain Management: An Executive Perspective**

BMGT471F Seminar in Supply Chain Management: An Executive Perspective; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. Formerly:BMGT488L and BMGT498L. Restricted to Supply Chain Management Fellows (FPLT).

FP01	Lisa Harrington Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1528

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to SCM and Information Systems majors.

0101	Yan Dong TuTh 11:00am - 12:15pm	Seats (Total: 24) VMH 3522
0201	Yan Dong TuTh 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.
The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain. Restricted to SCM majors and International Business majors.

0101	Gary Cohen MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1303
0201	Gary Cohen MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1303

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. For BMGT majors only. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media.

0101	William Rand TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1311
0201	William Rand TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1311
SG91	William Rand TuTh 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove Marketing majors with 86 credits. Other BMGT students may register by permission only UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 30) BLD3 2211

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. 72 semester hours. For BMGT majors only. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT and QUEST students with 72 credits completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1202

BMGT485F **Project Management**

BMGT485F Project Management; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BMGT230 or BMGT231; or equivalent. 72 semester hours. For BMGT majors only.*

FP01	Barnet Corwin TuTh 2:00pm - 3:15pm *Restricted to Business Process Fellows (FPBP) and Technology and Busine s Transformation Fellows (FPTT).*	Seats (Total: 35) VMH 1415
FP02	Barnet Corwin Tu 7:00pm - 9:40pm *Restricted to Sports Management Fellows (FPSM).*	Seats (Total: 35) VMH 1415

BMGT487 **Six Sigma Innovation**

BMGT487 Six Sigma Innovation; (3 credits) Grade Method: REG. *Prerequisite: BMGT230, BMGT231, STAT400 or ENME392.* Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. Restricted to students with 72 credit hours completed.

0101	Francis Alt TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1335

BMGT488A **Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

BMGT488A Special Topics in Logistics, Business, and Public Policy: Introduction to Sport Management; (3 credits) Grade Method: REG. Restricted to Sports Management Fellows (FPSM).

FP01	Gideon Mark	Seats (Total: 32)
	Tu 7:00pm - 9:40pm	VMH 1330

BMGT488B **Special Topics in Logistics, Business, and Public Policy; Executive Seminar in Music Management**

BMGT488B Special Topics in Logistics, Business, and Public Policy: Executive Seminar in Music Management; (3 credits) Grade Method: REG.
Restricted to Music Management Fellows (FPMM).

FP01	Hugh Turner	Seats (Total: 32)
	Tu 7:00pm - 9:40pm	VMH 1333

BMGT488R **Special Topics in Logistics, Business, and Public Policy; tbd**
Contact department for information to register for this course.

BMGT488V **Special Topics in Logistics, Business, and Public Policy; Transformative Action: Effective Models for Social Change**

BMGT488V *(PermReq)* **Special Topics in Logistics, Business, and Public Policy: Transformative Action: Effective Models for Social Change; (3 credits)** Grade Method: REG.

FP01	Melissa Carrier	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	VMH 1314
	Restricted to Social Innovation Fellows.	

BMGT490H **Quest Consulting and Innovation Practicum**

BMGT490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG.
Prerequisite: BMGT390 or ENES390. Also offered as ENES490. Credit will be granted for only one of the following: BMGT490 or ENES490. Restricted to Quest Program students.

0101	Joseph Bailey, David Ashley	Seats (Total: 80)
	W 7:00pm - 9:40pm	VMH 1333
	Contact instructor or department for details.	

BMGT493H **Honors Study**

BMGT493H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Restricted to BMGT Honors students.

0101	Charles Olson M 3:30pm - 6:10pm	Seats (Total: 65) VMH 1511

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. Restricted to BMGT seniors with 100 credit hours completed.

0101	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
0201	David Kressler MW 9:30am - 10:45am	Seats (Total: 35) VMH 1314
0301	W Knight TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
0401	W Knight TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
0501	Jonathan Aberman MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
0601	Jonathan Aberman MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314

BMGT496 **Business Ethics and Society**

BMGT496 Business Ethics and Society; (3 credits) Grade Method: REG.
Prerequisite: one course in BMGT; or permission of department. A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment. Restricted to students with 53 credit hours completed.

0101	Brian Nelson	Seats (Total: 41)
	TuTh 3:30pm - 4:45pm	VMH 1412

BMGT498B **Special Topics in Business and Management; Design in Marketing**

BMGT498B Special Topics in Business and Management: Design in Marketing; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to BMGT majors with 60 credits. Not open to students in the Design and Innovation in Marketing Fellows program. Design in marketing explores how businesses and organizations use design as a strategic competitive advantage. Students will increase their visual and design literacy whilelearning basic design and business terminology that will allow themto better communicate with creatives in their work environment. Studentsare exposed to career paths in integrated marketingcommunications, branding, product and package design, web design, and retail design. Students also learn ways to nurture creativity and critical thinking skills.

0101	Mary Harms	Seats (Total: 30)
	MW 11:00am - 12:15pm	VMH 1314
	Not open to students in Design and Innovation in Marketing Fellows Prog am.	

BMGT808A **Doctoral Seminar; Seminar in Strategy Research**

BMGT808A Doctoral Seminar: Seminar in Strategy Research; (3 credits) Grade Method: REG/AUD.

0101	Wilbur Chung	Seats (Total: 12)
	Tu 10:00am - 12:40pm	VMH 3332

BMGT808G **Doctoral Seminar; Applied Microeconomics**

BMGT808G Doctoral Seminar: Applied Microeconomics; (3 credits) Grade Method: REG.
Prerequisite: Permission of Instructor.

0101	Kislaya Prasad	Seats (Total: 12)
	Th 10:00am - 12:40pm	VMH 2509

BMGT808I **Doctoral Seminar; Social and Behavioral Research in Information Systems**

BMGT808I Doctoral Seminar: Social and Behavioral Research in Information Systems; (3 credits) Grade Method: REG.
Prerequisite: Permission of Instructor.

0101	Katherine Stewart	Seats (Total: 12)
	M 12:00pm - 2:40pm	VMH 4335

BMGT808L **Doctoral Seminar; Economics Foundations of Strategy and Entrepreneurship**

BMGT808L Doctoral Seminar: Economics Foundations of Strategy and Entrepreneurship; (3 credits) Grade Method: REG/AUD.

0101	Rajshree Tronetti	Seats (Total: 12)
	W 1:00pm - 3:40pm	VMH 2509

BMGT808M **Doctoral Seminar; Marketing Models in R**

BMGT808M Doctoral Seminar: Marketing Models in R; (3 credits) Grade Method: REG/AUD.

0101	Michel Wedel	Seats (Total: 12)
	W 12:30pm - 3:00pm	VMH 3332

BMGT808N **Doctoral Seminar; Supply Chain Managemnet Research**

BMGT808N Doctoral Seminar: Supply Chain Managemnet Research; (3 credits) Grade Method: REG/AUD.

0101	Thomas Corsi	Seats (Total: 12)
	W 3:00pm - 5:30pm	VMH 3330H

BMGT808O **Doctoral Seminar; Current Research in Information Systems**

BMGT808O Doctoral Seminar: Current Research in Information Systems; (3 credits) Grade Method: REG/AUD.

0101	Guodong Gao, Joseph Bailey, Anand Gopal Th 2:00pm - 4:40pm	Seats (Total: 10) VMH 2509

BMGT808T **Doctoral Seminar; Seminar in Consumer Behavior**

BMGT808T Doctoral Seminar: Seminar in Consumer Behavior; (3 credits) Grade Method: REG/AUD.

0101	Amna Khawaja Th 1:00pm - 4:00pm	Seats (Total: 12) VMH 3332

BMGT808X **Doctoral Seminar; Advanced Analytical Methods in Management**

BMGT808X Doctoral Seminar: Advanced Analytical Methods in Management; (3 credits) Grade Method: REG/AUD.

0101	Gilad Chen W 1:00pm - 3:40pm	Seats (Total: 12) VMH 4534

BMGT808Y **Doctoral Seminar; Seminar in Accounting Research**

BMGT808Y Doctoral Seminar: Seminar in Accounting Research; (3 credits) Grade Method: REG/AUD.

0101	Nicholas Seybert W 4:00pm - 7:00pm	Seats (Total: 12) VMH 4335

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828A **Independent Study in Business and Management; Financial Research Methods**

BMGT828A Independent Study in Business and Management: Financial Research Methods; (1 credit) Grade Method: REG.
Prerequisite: Permission of instructor.

0101	Nagpurnanand Prabhala	Seats (Total: 12)
	Th 8:45am - 10:45am	VMH 2330

BMGT828C **Independent Study in Business and Management; Workshop in Supply Chain Management**

BMGT828C Independent Study in Business and Management: Workshop in Supply Chain Management; (1 credit) Grade Method: REG/AUD.

0101	Robert Windle	Seats (Total: 8)
	M 4:00pm - 5:30pm	VMH 2509

BMGT828D **Independent Study in Business and Management; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT828D Independent Study in Business and Management: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	Yue Zhou, David Waguespack	Seats (Total: 12)
	Th 9:30am - 12:15pm	VMH 3330H

BMGT828E **Independent Study in Business and Management; Career and Professionalization Workshop in Management and Organization**

BMGT828E Independent Study in Business and Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG/AUD.
Course is required for all first Phd students enrolled in OB, HR and Strategy doctoral programs. section is team taught by Hui Liao and Brent Goldfarb. Course will meet periodically at the time indicated.

0101	Brent Goldfarb, Hui Liao	Seats (Total: 30)
	Th 10:00am - 12:40pm	VMH 2511

BMGT828F **Independent Study in Business and Management; Workshop in Finance Research**

BMGT828F Independent Study in Business and Management: Workshop in Finance Research; (1 credit) Grade Method: REG/AUD.

0101	Georgios Skoulakis F 9:00am - 12:00pm	Seats (Total: 12) VMH 1333

BMGT828G **Independent Study in Business and Management; Marketing Research Seminar**

BMGT828G Independent Study in Business and Management: Marketing Research Seminar; (1 credit) Grade Method: REG/AUD.

0101	Michael Trusov F 10:00am - 12:30pm	Seats (Total: 16) VMH 1520

BMGT828J **Independent Study in Business and Management; Research Seminar in Decision, Operations and Information Technologies**

BMGT828J Independent Study in Business and Management: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Il-Horn Hann, Wedad Elmaghraby F 2:00pm - 3:30pm	Seats (Total: 30) VMH 1335

BMGT828M **Independent Study in Business and Management; Research on Mathematical Finance**

BMGT828M Independent Study in Business and Management: Research on Mathematical Finance; (2 credits) Grade Method: REG/AUD.

0101	Dilip Madan Tu 4:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 10) VMH 3332

BMGT830 **Operations Research: Linear Programming**

BMGT830 Operations Research: Linear Programming; (3 credits) Grade Method: REG.
Prerequisites: MATH 240 or equivalent; or permission of department. Concepts and applications of linear programming models, theoretical development of the simplex algorithm, and primal-dual problems and theory.

0101	Subramanian Raghavan	Seats (Total: 26)
	MW 11:00am - 12:15pm	VMH 1415

BMGT834 **Operations Research: Probabilistic Models**

BMGT834 Operations Research: Probabilistic Models; (3 credits) Grade Method: REG/AUD.
Prerequisites: {MATH 241; and STAT 400 or equivalent} or permission of department. Theoretical foundations for the construction, optimization, and applications of probabilistic models. Queuing theory, inventory theory, Markov processes, renewal theory, and stochastic linear programming.

0101	Michael Fu	Seats (Total: 35)
	Th 3:30pm - 6:10pm	VMH 1415

BMGT840 **Seminar in Financial Theory**

BMGT840 Seminar in Financial Theory; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Seminar in selected classic and current theoretical and empirical research in the foundations of finance.

0101	Gerard Hoberg	Seats (Total: 24)
	Tu 9:00am - 11:40am	VMH 3330H

BMGT861 **Seminar in Performance Appraisal and Training**

BMGT861 Seminar in Performance Appraisal and Training; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT 660 or permission of department. Seminar in selected theoretical and empirical literature in performance appraisal and training.

0101	Mary Taylor	Seats (Total: 12)
	M 10:00am - 12:40pm	VMH 2509

BMGT880 **Business Research Methodology**

BMGT880 Business Research Methodology; (3 credits) Grade Method: REG/AUD. Covers the nature, scope, and application of research methodology. The identification and formulation of research designs applicable to business and related fields. Required of D.B.A. students.

0101	Kathryn Bartol	Seats (Total: 12)
	Tu 1:00pm - 3:40pm	VMH 4535

BMGT882 **Applied Multivariate Analysis I**

BMGT882 Applied Multivariate Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON 621, ECON 624, EDMS 651, STAT 450 or permission of department.* Multivariate statistical methods and their use in empirical research. Topics include summarization and visualization of multivariate data, principal components, metric multidimensional scaling, canonical correlation, multivariate paired comparisons and repeated-measures designs, multivariate analysis of variance, and discriminant analysis. The maximum likelihood and likelihood ratio principles are also discussed. An important component of the course is analysis of business data using contemporary software.

0101	Mahesh Kumar	Seats (Total: 12)
	Tu 2:00pm - 4:40pm	VMH 4335

BMGT883 **Scientific Data-Collection for Business**

BMGT883 Scientific Data-Collection for Business; (3 credits) Grade Method: REG/AUD.
Data collection methods for academic research with an emphasis on a Web environment. Designing and executing surveys, collecting web data, and designing and analyzing experiments. Discussion of ethics, statistical theory, practical considerations, and technical issues.

0101	Inbal Shenberger	Seats (Total: 12)
	W 1:00pm - 3:40pm	VMH 3509

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Fall 2010

BSCI105 **Principles of Biology I**

BSCI courses are offered by the Biological Science Program and individual College of Chemical and Life Sciences departments, as indicated.

The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building, ENTM - Entomology, 4112 PLS Building).

Registration of BSCI course sections which begin with "SEF*" is restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any are available.

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Lab start deates will be posted on the Life Science Web Page. www.chemlife.umd.edu

BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.

Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

5012	William Higgins MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5015	William Higgins MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1235	 Lab

5016	William Higgins MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5022	William Higgins MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5050	William Higgins MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1226	 Lab
5051	William Higgins MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1235	 Lab
5066	William Higgins MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5120	Spencer Benson MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5121	Spencer Benson MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5124	Spencer Benson MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5125	Spencer Benson MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5126	Spencer Benson MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab

5130	Spencer Benson MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5136	Spencer Benson MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5144	Spencer Benson MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5145	Spencer Benson MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5146	Spencer Benson MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5156	Spencer Benson MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5165	Spencer Benson MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5186	Spencer Benson MWF 10:00am - 10:50am M 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5310	Judd Nelson MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5311	Judd Nelson MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab

5314	Judd Nelson MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5332	Judd Nelson MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5352	Judd Nelson MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5355	Judd Nelson MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1235	Lab
5360	Judd Nelson MWF 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5364	Judd Nelson MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5370	Judd Nelson MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5371	Judd Nelson MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1235	Lab
5372	Judd Nelson MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
FC01	Michael Keller MW 4:30pm - 5:45pm W 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) SKN 0200 HJP 1226	Lab

FC02	Michael Keller MW 4:30pm - 5:45pm Th 6:00pm - 8:50pm	Seats (Total: 23) SKN 0200 HJP 1226	Lab
	Restricted to students in Freshmen Connection.		
FC03	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am	Seats (Total: 23) SKN 0200 HJP 1226	Lab
	Restricted to students in Freshmen Connection.		
FC04	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am	Seats (Total: 23) SKN 0200 HJP 1235	Lab
	Restricted to students in Freshmen Connection.		
FC05	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am	Seats (Total: 23) SKN 0200 HJP 1236	Lab
	Restricted to students in Freshmen Connection.		
FC06	Michael Keller MW 4:30pm - 5:45pm Th 6:00pm - 8:50pm	Seats (Total: 23) SKN 0200 HJP 1235	Lab
FC07	Michael Keller MW 4:30pm - 5:45pm Th 6:00pm - 8:50pm	Seats (Total: 23) SKN 0200 HJP 1236	Lab
SEF1	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 9:00pm	Seats (Total: 23) PLS 1130 HJP 1226	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SEF2	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 9:00pm	Seats (Total: 23) PLS 1130 HJP 1236	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI105M **Principles of Biology I**

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. (Sponsoring Dept.: BSCI). BSCI105M is intended for students repeating BSCI105 and who have an 80% or higher grade in the BSCI105 lab in their previous attempt. In BSCI105M students retake the lecture portion of the course only. The lab grade from the previous attempt is used in calculation of the BSCI105M grade. The previous attempt must be within 12 months of registration for BSCI105M.

5090	William Higgins MWF 9:00am - 9:50am	Seats (Total: 5) MMH 1400	
5190	Spencer Benson MWF 10:00am - 10:50am	Seats (Total: 5) BRB 1101	
5393	Judd Nelson MWF 10:00am - 10:50am	Seats (Total: 5) HJP 0226	

BSCI105U **Principles of Biology I**
Contact department for information to register for this course.

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

6115	Alexandra Bely MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6126	Alexandra Bely MWF 11:00am - 11:50am Tu 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 2104	 Lab

6127	Alexandra Bely MWF 11:00am - 11:50am Tu 5:00pm - 7:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6135	Alexandra Bely MWF 11:00am - 11:50am W 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6142	Alexandra Bely MWF 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 2104	 Lab
6145	Alexandra Bely MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6146	Alexandra Bely MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 2104	 Lab
6151	Alexandra Bely MWF 11:00am - 11:50am F 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6152	Alexandra Bely MWF 11:00am - 11:50am F 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 2104	 Lab
6221	Sara Via MWF 2:00pm - 2:50pm Tu 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6223	Sara Via MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6224	Sara Via MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 2104	 Lab

6238	Sara Via MWF 2:00pm - 2:50pm W 5:00pm - 7:50pm	Seats (Total: 22) BRB 1101 HJP 2104	 Lab
6241	Sara Via MWF 2:00pm - 2:50pm Th 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6244	Sara Via MWF 2:00pm - 2:50pm Th 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 2104	 Lab
6314	Irwin Forseth MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 HJP 2104	 Lab
6318	Irwin Forseth MWF 9:00am - 9:50am M 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 2104	 Lab
6325	Irwin Forseth MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 HJP 2103	 Lab
6334	Irwin Forseth MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 HJP 2104	 Lab
6343	Irwin Forseth MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 HJP 2103	 Lab

BSCI106C **Principles of Biology II**

BSCI106C Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. (Sponsoring Dept.: BSCI). Restricted to new freshman and new transfer students in the College of Chemical and Life Sciences.

6116	Alexandra Bely MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 2104	 Lab
6137	Alexandra Bely MWF 11:00am - 11:50am W 5:00pm - 7:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6231	Sara Via MWF 2:00pm - 2:50pm W 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6328	Irwin Forseth MWF 9:00am - 9:50am Tu 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 2104	 Lab
6336	Irwin Forseth MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 HJP 2104	 Lab

BSCI106H **Principles of Biology II**

BSCI106H Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106.

6211	Sara Via MWF 2:00pm - 2:50pm M 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6313	Irwin Forseth MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 2103	 Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. (Sponsoring Dept.: BSCI). BSCI 106 must be taken within twelve months of the semester in which BSCI 106M is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6160	Alexandra Bely MWF 11:00am - 11:50am	Seats (Total: 5) BRB 1101	
6260	Sara Via MWF 2:00pm - 2:50pm	Seats (Total: 5) BRB 1101	

BSCI106S **Principles of Biology II**

BSCI106S Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. (Sponsoring Dept.: BSCI). Restricted to College Park Scholars - Life Sciences.

6132	Alexandra Bely MWF 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 2104	 Lab
6217	Sara Via MWF 2:00pm - 2:50pm M 5:00pm - 7:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab
6233	Sara Via MWF 2:00pm - 2:50pm W 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 2103	 Lab

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Formerly ENTM100. A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in the College of Chemical and Life Sciences. (Sponsoring Dept.: ENTM).

0101	Earlene Armstrong TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 24) JMP 3201 PLS 1161	Discussion
0102	Earlene Armstrong TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 24) JMP 3201 PLS 1161	Discussion
0103	Earlene Armstrong TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 24) JMP 3201 PLS 1161	Discussion

BSCI121 **Beekeeping**

BSCI121 Beekeeping; (2 credits) Grade Method: REG/P-F/AUD.
Formerly ENTM111. First semester. A study of the life history, behavior and seasonal activities of the honeybee, its place in pollination of flowers with emphasis on plants of economic importance and bee lore in literature. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: ENTM).

0101	John Hellman TuTh 9:30am - 10:30am	Seats (Total: 30) PLS 1146	

BSCI124 **Plant Biology for Non-Science Students**

BSCI124 Plant Biology for Non-Science Students; (3 credits) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125. For non-science majors only. Not open to students who have completed BSCI105/BIOL105. Formerly PBIO100. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125.

2001	Edgar Moctezuma TuTh 9:30am - 10:45am	Seats (Total: 160) HJP 0226	

BSCI125 **Plant Biology Laboratory**

BSCI125 Plant Biology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Corequisite: 124. For non-science majors only. Not open to students who have completed BSCI105. Credit will be granted for only one of the following: BSCI105 or BSCI125. Formerly PBIO101. An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. CORE Lab Science. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Students must pay a $40.00 laboratory materials fee.

1104	Edgar Moctezuma M 12:30pm - 2:30pm	Seats (Total: 23) HJP 3127	Lab
1107	Edgar Moctezuma Tu 12:00pm - 2:00pm	Seats (Total: 23) HJP 3104	Lab
1108	Edgar Moctezuma Tu 12:00pm - 2:00pm	Seats (Total: 23) HJP 3127	Lab

1114	Edgar Moctezuma W 12:30pm - 2:30pm	Seats (Total: 23) HJP 3127	Lab
1115	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 23) HJP 3104	Lab
1116	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 23) HJP 3127	Lab
1117	Edgar Moctezuma Th 12:00pm - 2:00pm	Seats (Total: 23) HJP 3104	Lab

BSCI126 **Pollinators in Crisis**

BSCI126 Pollinators in Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Credit will be granted for only one of the following: BSCI120 or BSCI126. Formerly BSCI120. We will dissect the pollinator crisis, and in the process learn about insects, about the interaction of organisms in complex ecosystems, and about the human-nature interface. Students will work in groups that specialize in an aspect of pollinator biology and their challenges. Instruction will target methods for collecting information, interpretation of scientific information and the professional presentation of findings.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	David Hawthorne TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) PLS 1130 PLS 1161	Discussion
0102	David Hawthorne TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) PLS 1130 PLS 1161	Discussion
0103	David Hawthorne TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 20) PLS 1130 PLS 1161	Discussion

BSCI189I **Race, Genomics, and Human Evolutionary History**

BSCI189I Race, Genomics, and Human Evolutionary History; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course.
Recommended for any student not majoring in Biology or Chemistry.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

1003	Joelle Presson MWF 11:00am - 11:50am M 12:00pm - 2:50pm	Seats (Total: 22) BPS 1250 HJP 1105	Lab
1005	Joelle Presson MWF 11:00am - 11:50am M 3:00pm - 5:50pm	Seats (Total: 22) BPS 1250 HJP 1105	Lab
1007	Joelle Presson MWF 11:00am - 11:50am Tu 11:00am - 1:50pm	Seats (Total: 22) BPS 1250 HJP 1105	Lab
1009	Joelle Presson MWF 11:00am - 11:50am Tu 2:00pm - 4:50pm	Seats (Total: 22) BPS 1250 HJP 1105	Lab
1011	Joelle Presson MWF 11:00am - 11:50am Tu 5:00pm - 7:50pm	Seats (Total: 22) BPS 1250 HJP 1105	Lab

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105 or equivalent. Formerly ZOOL201. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. Not acceptable for credit in any Biological Sciences major. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab

0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0113	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0201	Tammatha O'Brien TuTh 8:00am - 9:15am M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0202	Tammatha O'Brien TuTh 8:00am - 9:15am M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0203	Tammatha O'Brien TuTh 8:00am - 9:15am M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0204	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 10:00am - 12:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0205	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0206	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0207	Tammatha O'Brien TuTh 8:00am - 9:15am W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0201	Lab

0208	Tammatha O'Brien TuTh 8:00am - 9:15am W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0209	Tammatha O'Brien TuTh 8:00am - 9:15am W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0210	Tammatha O'Brien TuTh 8:00am - 9:15am Th 10:00am - 12:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0211	Tammatha O'Brien TuTh 8:00am - 9:15am Th 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0212	Tammatha O'Brien TuTh 8:00am - 9:15am Th 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0213	Tammatha O'Brien TuTh 8:00am - 9:15am F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0201	Lab

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106. Pre- or corequisite: CHEM103 or CHEM131; or equivalent. Credit will be granted for only one of the following: BSCI207 or BSCI279D.
The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	Jeffrey Shultz, Charles Delwiche MW 4:00pm - 5:15pm	Seats (Total: 200) BRB 1101	
0201	William Jeffery, William Higgins MWF 11:00am - 11:50am	Seats (Total: 260) PHY 1412	

BSCI207H **Principles of Biology III - Organismal Biology**

BSCI207H Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106. Pre- or corequisite: CHEM103 or CHEM131; or equivalent. Credit will be granted for only one of the following: BSCI207 or BSCI279D.

0101	Jeffrey Jensen, Todd Cooke MWF 9:00am - 9:50am	Seats (Total: 80) PLS 1140	

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {BSCI105 and BSCI106 and (CHEM131 and CHEM132)} or {BSCI105 and two semesters of chemistry}. Credit will be granted for only one of the following: BIOL222 or BSCI222. Formerly BIOL222. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

2120	Patricia Shields MWF 1:00pm - 1:50pm M 8:00am - 9:50am	Seats (Total: 20) BRB 1101 PLS 1168	Discussion
2121	Patricia Shields MWF 1:00pm - 1:50pm M 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1158	Discussion
2122	Patricia Shields MWF 1:00pm - 1:50pm M 5:00pm - 6:50pm	Seats (Total: 20) BRB 1101 PLS 1146	Discussion
2123	Patricia Shields MWF 1:00pm - 1:50pm Tu 8:00am - 9:50am	Seats (Total: 20) BRB 1101 PLS 1168	Discussion
2124	Patricia Shields MWF 1:00pm - 1:50pm Tu 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1164	Discussion
2125	Patricia Shields MWF 1:00pm - 1:50pm Tu 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 PLS 1164	Discussion

2127	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 9:50am	Seats (Total: 20) BRB 1101 PLS 1115	Discussion
2130	Patricia Shields MWF 1:00pm - 1:50pm W 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1162	Discussion
2132	Patricia Shields MWF 1:00pm - 1:50pm W 5:00pm - 6:50pm	Seats (Total: 20) BRB 1101 PLS 1164	Discussion
2135	Patricia Shields MWF 1:00pm - 1:50pm Th 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1168	Discussion
2137	Patricia Shields MWF 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 PLS 1164	Discussion
2211	Thomas Kocher TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion
2215	Thomas Kocher TuTh 11:00am - 12:15pm Tu 2:00pm - 3:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion
2221	Thomas Kocher TuTh 11:00am - 12:15pm Tu 4:00pm - 5:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion
2231	Thomas Kocher TuTh 11:00am - 12:15pm Tu 6:00pm - 7:50pm	Seats (Total: 20) HJP 0226 PLS 1172	Discussion
2251	Thomas Kocher TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion

2261	Thomas Kocher TuTh 11:00am - 12:15pm W 7:00pm - 8:50pm	Seats (Total: 20) HJP 0226 PLS 1158	Discussion
2265	Thomas Kocher TuTh 11:00am - 12:15pm Th 2:00pm - 3:50pm	Seats (Total: 20) HJP 0226 PLS 1146	Discussion
2267	Thomas Kocher TuTh 11:00am - 12:15pm Th 4:00pm - 5:50pm	Seats (Total: 20) HJP 0226 BPS 1232	Discussion

BSCI223 **General Microbiology**

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105. Credit will be granted for only one of the following: BSCI122 or BSCI223. Formerly MICB200. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG). Students must pay a $40.00 laboratory materials fee.

1101	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1106	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1121	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1126	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1201	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab

1206	Richard Stewart, Ann Smith TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1221	Richard Stewart, Ann Smith TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1225	Richard Stewart, Ann Smith TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1301	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1305	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1306	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1321	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1325	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1326	Richard Stewart, Ann Smith TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
2105	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab

2125	Ann Smith, Richard Stewart TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1205	 Lab
2205	Richard Stewart, Ann Smith TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	 Lab
2226	Richard Stewart, Ann Smith TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
SEF1	Keith Lampel TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) MCB 1207 MCB 1201	 Lab
SEF2	Keith Lampel TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm	Seats (Total: 18) MCB 1207 MCB 1206	 Lab

BSCI258 **College Park Scholars Internship; College Park Scholars Internship**

BSCI258 College Park Scholars Internship: College Park Scholars Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

8005	Reid Compton, Rebecca Kenemuth Contact instructor or department for details.	Seats (Total: 55)

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279B **Supplemental Study; Strategies for Success in Chemical and Life Sciences**

BSCI279B *(PermReq)* **Supplemental Study: Strategies for Success in Chemical and Life Sciences; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Marcia Shofner, Joelle Presson W 4:00pm - 6:00pm	Seats (Total: 40) SYM 0200
SG91	Thomas Stanton M 12:30pm - 1:25pm	Seats (Total: 30) Location: TBA
	Section SG91 is only offered in the fall semester. Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.	

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Fellows Professional Development Seminar**

BSCI279P *(PermReq)* **Supplemental Study: Undergraduate Teaching Fellows Professional Development Seminar; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Marcia Shofner Tu 5:00pm - 6:30pm	Seats (Total: 34) PLS 1130
0102	Marcia Shofner, Tammatha O'Brien W 8:00am - 9:30am	Seats (Total: 28) PLS 1111

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Patrick Kanold Contact instructor or department for details.	Seats (Total: 13)

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BSCI).

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

1046	Jens Herberholz	Seats (Total: 10)
	Contact instructor or department for details.	

1060	Marco Colombini Contact instructor or department for details.	Seats (Total: 4)	
1150	William Higgins Contact instructor or department for details.	Seats (Total: 10)	

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: grade of C (2.0) or better in {BSCI105 and (CHEM131 and CHEM132)}. Not open to students who have completed BSCI230. Credit will be granted for only one of the following: BSCI230 or BSCI330. Formerly BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Ibrahim Ades MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0102	Ibrahim Ades MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0103	Ibrahim Ades MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0104	Ibrahim Ades MWF 9:00am - 9:50am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0105	Ibrahim Ades MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0106	Ibrahim Ades MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab

0107	Ibrahim Ades MWF 9:00am - 9:50am W 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0108	Ibrahim Ades MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0109	Ibrahim Ades MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0110	Ibrahim Ades MWF 9:00am - 9:50am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0111	Ibrahim Ades MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0112	Ibrahim Ades MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0113	Ibrahim Ades MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
SEF1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) PLS 1117 BPS 0207	 Lab
SG91	Nancy Noben-Trauth TuTh 11:00am - 12:15pm Tu 2:00pm - 4:50pm *Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.*	Seats (Total: 40) BLD2 2052 BLD2 3062	 Lab

BSCI338B **Special Topics in Biology; Marine Biology**

BSCI338B Special Topics in Biology: Marine Biology; (3 credits) Grade Method: REG/P-F/AUD.
Specialization Areas: GENB and ECEV.

0101	Marjorie Reaka	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BPS 1238

BSCI338C **Special Topics in Biology; Genomics of Sensory Systems**

BSCI338C Special Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 or permission of instructor. An advanced course covering topics on the molecular basis of senses and the application of genomic techniques to studies of sensory systems and sensory ecology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB and GENB.

0101	Karen Carleton	Seats (Total: 18)
	MW 2:00pm - 2:50pm	BPS 1230

BSCI338G **Special Topics in Biology; Seminar on Deregulated Cell Growth in Cancer & Drug Development**

BSCI338G Special Topics in Biology: Seminar on Deregulated Cell Growth in Cancer & Drug Development; (2 credits) Grade Method: REG/P-F/AUD.
Sponsoring department (BSCI). Acceptable towards Biological Sciences areas: PHNB and GENB. Pre-requisite: BSCI 330.

0101	Ibrahim Ades	Seats (Total: 20)
	W 3:00pm - 4:40pm	PLS 1172

BSCI338N **Special Topics in Biology; Diseases of the Nervous System**

BSCI338N Special Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring DEPT: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, ZOOL, and GENB. An advanced course covering the function and organization of the nervous system as revealed by pathology and disease.

0101	Avis Cohen	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1117

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information. Formerly ZOOL 328Z.

Contact department for information to register for this course.

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Microbiology Undergraduate Teaching Practicum**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Undergraduate Teaching Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Students must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Ann C. Smith for application information: asmith@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Ann Smith	Seats (Total: 25)
	W 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Click here for more course information.

0101	David Straney Contact instructor or department for details.	Seats (Total: 8)	

BSCI360 **Principles of Animal Behavior**

BSCI360 Principles of Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105 and BSCI106 and BSCI222. Formerly ZOOL360.* Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, and GENB.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1164	 Discussion

BSCI361 **Principles of Ecology**

BSCI361 Principles of Ecology; (4 credits) Grade Method: REG/P-F. *Prerequisites: BSCI106 and (MATH130 or MATH140). Formerly ZOOL328N.* Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions.

0101	Daniel Gruner TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 24) SYM 0200 PLS 1168	 Discussion
0102	Daniel Gruner TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 24) SYM 0200 PLS 1168	 Discussion
0103	Daniel Gruner TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 24) SYM 0200 PLS 1168	 Discussion

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106. Formerly ZOOL328Q.* Understanding evolutionary processes in a natural and human environment, including adaption; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL) Applies to Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Charles Fenster TuTh 11:00am - 12:15pm	Seats (Total: 100) PLS 1140	

BSCI373 **Natural History of the Chesapeake Bay**

BSCI373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a course in biological sciences or permission of department. Also offered as ENST373. Credit will be granted for only one of the following: BSCI206, BSCI373, or ENST373. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas	Seats (Total: 80)
	MWF 3:00pm - 3:50pm	ANS 0408

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit)** Grade Method: REG.
Repeatable to 6 credits. Formerly MICB388H. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the CBMG department web site for detailed information. Click here for more course information.

0101	Zhongchi Liu	Seats (Total: 18)
	F 2:00pm - 2:50pm	HJP 1216

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to departmental honors program. Repeatable to 8 credits if content differs. Formerly MICB379. Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. http://www.life.umd.edu/CBMG/progrms/department/undreas.html Click here for more course information.

Contact department for information to register for this course.

BSCI380 **Bioinformatics and Integrated Genomics**

BSCI380 Bioinformatics and Integrated Genomics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: A grade of C (2.0) or better is required in (BSCI106 and BSCI222 and {MATH141 or MATH221}). Recommended: BSCI370. Credit will be granted for only one of the following: BSCI348S or BSCI380. Formerly BSCI348S. Computational methods for the study of biological sequence data in comparative biology and evolution. Analysis of genome content and organization. Database searching, pairwise and multiple sequence alignment, phylogenetic methods, pattern recognition, and functional inference. Functional and comparative genomics approaches. (Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Studets must pay a $40.00 Laboratory Materials fee. Click here for more course information.

0101	Najib El-Sayed	Seats (Total: 25)	
	MWF 10:00am - 10:50am	MCB 1207	
	M 2:00pm - 5:00pm	PLS 1121	Lab

0102	Najib El-Sayed	Seats (Total: 25)	
	MWF 10:00am - 10:50am W 2:00pm - 5:00pm	MCB 1207 PLS 1121	Lab

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).Formerly ENTM399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI392 **Biology of Extinct Animals**

BSCI392 Biology of Extinct Animals; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106. Credit will be granted for only one of the following: BSCI392 or ZOOL396. Formerly ZOOL396.* A survey of extinct animals that have few, if any, direct living descendants. The principles governing the functional design of animals will be used to infer life styles for extinct, and frequently bizarre, organisms. Specialization Areas: ECEV and GENB.

0101	Nicholas Klimczak, Bretton Kent	Seats (Total: 55)	
	MWF 9:00am - 9:50am	PLS 1130	

BSCI393 **Biology of Extinct Animals Laboratory**

BSCI393 Biology of Extinct Animals Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI392. Formerly: BSCI338W/ZOOL328W. Credit will be granted for only one of the following: BSCI392 or BSCI338W or ZOOL328W. An overview of the techniques used in paleobiological reconstructions of extinct animals. Specialization Areas: ECEV and GENB.

0101	Bretton Kent, Nicholas Klimczak	Seats (Total: 24)	
	W 2:00pm - 5:00pm	BPS 0275	Lab

BSCI394 **Vertebrate Form and Function**

BSCI394 Vertebrate Form and Function; (3 credits) Grade Method: REG.
Prerequisites: BSCI105 and BSCI106; and BSCI224, BSCI230, or BSCI330. Formerly ZOOL328F. Comparative functional anatomy of vertebrates in the context of adaptation to their environments. The vertebrate body and its systems will be considered in terms of structure, physiology, evolution, and embryonic development.

0101	Jeffrey Jensen	Seats (Total: 30)
	TuTh 9:30am - 10:45am	BPS 1232

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly ZOOL308H. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept. :BIOL).

1000	Marjorie Reaka	Seats (Total: 35)
	M 4:00pm - 5:00pm	BPS 1230

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: participation in the Biology Department Honors Program. Repeatable to 8 credits if content differs. Formerly ZOOL318H. A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL318H.

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 (or equivalent) and CHEM233 or (CHEM231 and CHEM232). Formerly ZOOL446. An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and CMBG.

0101	Stephen Mount, Caren Chang	Seats (Total: 120)
	TuTh 11:00am - 12:15pm	BPS 1250

BSCI414 **Recombinant DNA Laboratory**

BSCI414 Recombinant DNA Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222. Formerly MICB453. An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Byrn Quimby TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 21) MCB 1207	
0102	Byrn Quimby TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 20) MCB 1207	

BSCI415 **Molecular Genetics Laboratory**

BSCI415 Molecular Genetics Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI410. Junior standing. Credit will be granted for only one of the following: BSCI348G or BSCI415. Formerly BSCI348G. Problem solving laboratory organized around extended projects that employ different approaches toward linking gene and function. (Sponsoring Dept.: CBMG). Specialization Areas: CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	David Straney TuTh 2:00pm - 5:00pm	Seats (Total: 20) HJP 2226	Lab

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Credit will be granted for only one of the following: BSCI420 or BSCI421. Formerly ZOOL410. Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, and GENB.

0101	Michael Ma MWF 12:00pm - 12:50pm	Seats (Total: 45) BPS 1250	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F.
Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Formerly: PBIO400 and ZOOL411. Credit will be granted for only one of the following: BSCI420 or BSCI421. Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: BIOL). Applies toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Michael Ma MWF 12:00pm - 12:50pm Tu 2:00pm - 6:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab
0102	Michael Ma MWF 12:00pm - 12:50pm W 1:00pm - 5:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

BSCI422 Principles of Immunology; (3 credits) Grade Method: REG.
Prerequisites: BSCI222 and BSCI223. Recommended: BSCI230 or BSCI330. Junior or Senior standing. Formerly MICB454. The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.

SEF1	Sandra Fox-Moon W 6:00pm - 9:00pm	Seats (Total: 25) MCB 1207
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.	

BSCI424 **Pathogenic Microbiology**

BSCI424 Pathogenic Microbiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223. Formerly MICB440. The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2). Students must pay a $40.00 laboratory materials fee.

0101	Volker Briken, Byrn Quimby TuTh 11:00am - 11:50am MW 9:00am - 10:50am	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0102	Byrn Quimby, Volker Briken TuTh 11:00am - 11:50am MW 11:00am - 12:50pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0103	Byrn Quimby, Volker Briken TuTh 11:00am - 11:50am MW 1:00pm - 2:50pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0104	Volker Briken, Byrn Quimby TuTh 11:00am - 11:50am MW 3:00pm - 4:50pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
SEF1	David Rollins TuTh 7:00pm - 7:50pm TuTh 8:00pm - 10:00pm *This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) BPS 1250 MCB 1135	 Lab
SG91	David Rollins MW 11:00am - 11:50am MW 12:00pm - 1:50pm *Restricted to Shady Grove Biological Sciences students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.*	Seats (Total: 30) BLD2 3052 BLD2 4102	 Lab

BSCI425 **Epidemiology and Public Health**

BSCI425 Epidemiology and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223. Formerly MICB420. History, characteristic features of epidemiology; the important responsibilities of public health; vital statistics.

SG91	David Rollins F 10:30am - 12:20pm F 12:30pm - 1:20pm *Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.*	Seats (Total: 40) BLD2 3022 BLD2 3022	 Discussion

BSCI426 **Membrane Biophysics**

BSCI426 Membrane Biophysics; (3 credits) Grade Method: REG/P-F. CORE Capstone (CS) Course.
Prerequisites: BSCI230 or BSCI330; and PHYS122 or PHYS142; and MATH130 or MATH140. Formerly ZOOL413. Quantitative aspects of biology and the use of mathematical descriptions of biological phenomena. The focus will be on membrane structure, transport, and bioenergetics. (Sponsoring DEPT.: BIOL). Specialization Areas: CEBG, PHNB and GENB. Click here for more course information.

0101	Marco Colombini	Seats (Total: 22)
	TuTh 4:00pm - 5:15pm	JMP 1202

BSCI427 **Principles of Microscopy**

BSCI427 Principles of Microscopy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI421. Formerly PBIO430. An introduction to optical principles that underlie light and electron microscopic image formation. Brightfield, darkfield, phase contrast, differential interference contrast, fluorescence and polarized light microscopy. Comparison of light and electron microscopy. The application of these techniques to problems in biological research.

0101	Stephen Wolniak	Seats (Total: 6)
	MW 8:00am - 9:00am	HJP 1216

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222 or permission of department. Junior standing. Formerly MICB460. Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: GENB, MICB and CEBG.

0101	Jonathan Dinman	Seats (Total: 60)
	MWF 11:00am - 11:50am	BPS 1243

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI230 or BSCI330; and CHEM233; or permission of department. Formerly ZOOL422. A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. BSCI 440 is a lecture/discussion format course. The laboratory is offered separately as BSCI 441.

0101	Sergei Sukharev MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 35) BPS 1250 PLS 1113	 Discussion
0102	Sergei Sukharev MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 35) BPS 1250 PLS 1117	 Discussion
0103	Sergei Sukharev MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 35) BPS 1250 BPS 1236	 Discussion
0105	Sergei Sukharev MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 30) BPS 1250 PLS 1113	 Discussion

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: BSCI440. Formerly ZOOL423. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. Students must pay a $40.00 laboratory materials fee.

0101	William Higgins M 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

0102	William Higgins M 1:00pm - 1:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0103	William Higgins M 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

BSCI442 **Plant Physiology**

BSCI442 Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105 and CHEM233 or (CHEM231 and CHEM232). Formerly PBIO420.* A survey of the general physiological activities of plants. Offered Fall semester only. (Sponsoring Dept.: CBMG). Applies to Biological Sciences Specialization Areas: PHNB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Heven Sze TuTh 11:00am - 12:15pm M 6:00pm - 9:00pm	Seats (Total: 18) HJP 2242 HJP 2230	 Lab

BSCI443 **Microbial Physiology**

BSCI443 Microbial Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C (2.0) or better is required in BSCI223 and {BCHM461 or BCHM463}. Formerly MICB470.* Microbial cellular and population growth. Fermentation metabolism, physiology of anaerobiosis, and energy conservation and transformation in bacterial membranes. Efficiency of energy utilization for growth. Membrane structure and transport. Bacterial chemotaxis. Regulation of bacterial chromosome replication, RNA and protein synthesis. Control of metabolic pathways.

0101	Steven Hutcheson MW 11:00am - 12:15pm	Seats (Total: 50) MCB 1207	

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and CHEM233; and CHEM243. Formerly ZOOL426.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring DEPT.: BIOL). Specialization Areas: PHNB and GENB.

0101	Justicia Opoku-Edusei MWF 10:00am - 10:50am	Seats (Total: 70) BPS 1243	

BSCI453 **Cellular Neurophysiology**

BSCI453 Cellular Neurophysiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C (2.0) or better in {BSCI230 or BSCI330} and {CHEM231 and CHEM232} and PHYS122. Credit will be granted for only one of the following: BSCI444 or BSCI445 or BSCI453. Formerly BSCI444.* The cellular and molecular basis of nervous system function. (Sponsoring DEPT.: BIOL). Acceptable toward Biological Sciences specialization areas: CEBG, PHNB and GENB.

0101	Richard Payne TuTh 12:30pm - 1:45pm	Seats (Total: 115) BPS 1250	
0102	Daniel Butts, Elizabeth Quinlan TuTh 11:00am - 12:15pm	Seats (Total: 43) HBK 0103	

BSCI454 **Neurobiology Laboratory**

BSCI454 Neurobiology Laboratory; (1 credit) Grade Method: REG. *Prerequisite: BSCI230 or BSCI330; and {CHEM231 and CHEM232} and PHYS122. Pre- or corequisite: {BSCI453 or BSCI446}. Credit will be granted for only one of the following: BSCI445 or BSCI454. Formerly BSCI445.* Grade of C (2.0) required in all course pre-requisites. Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle. (Sponsoring Dept.: BIOL). Specialization areas: CEBG, PHNB, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Richard Payne M 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0102	Richard Payne Tu 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab

0103	Richard Payne W 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0104	Richard Payne W 6:00pm - 9:00pm	Seats (Total: 20) BPS 0213	Lab

BSCI462 **Population Ecology**
Contact department for information to register for this course.

BSCI467 **Freshwater Biology**

BSCI467 Freshwater Biology; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI227 or permission of department. Formerly ENTM482.* Biology and ecology of freshwater invertebrates in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration. Laboratory will include field trips, demonstrations, and identifications. Specialization Areas: ECEV and GENB.

0101	William Lamp MWF 1:00pm - 1:50pm Tu 2:00pm - 5:00pm	Seats (Total: 24) BPS 0283 PLS 1161	Lab
0102	William Lamp MWF 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 24) BPS 0283 PLS 1161	Lab

BSCI471 **Molecular Evolution**

BSCI471 Molecular Evolution; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 or permission of department. Formerly ZOOL441.* Patterns of DNA sequence variation within and between species, caused by nucleotide changes and the movement of transposable elements. Theories of molecular evolution, such as the neutral theory. Molecular clock hypothesis: its importance as a practical empirical tool in molecular genetics and systematics and its theoretical foundation.

0101	Michael Cummings TuTh 12:30pm - 1:45pm	Seats (Total: 25) BPS 1238	

BSCI481 **Insect Diversity and Classification**

BSCI481 Insect Diversity and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI227 or permission of department. Formerly ENTM424. The techniques of collecting insects in the field and their classification into the latest hierarchical scheme. Field trips will visit habitats throughout the state. An insect collection is required.

0101	Jeffrey Shultz	Seats (Total: 20)	
	M 11:00am - 11:50am	PLS 1117	
	ThF 2:00pm - 5:00pm	PLS 1161	Lab

BSCI494 **Animal-Plant Interactions**

BSCI494 Animal-Plant Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI106 and (BSCI227, or BSCI224, or permission of department). Credit will be granted for only one of the following: BSCI494 or ENTM400. Formerly ENTM400. Theoretical, conceptual and applied aspects of the ecological interactions between plants and animals. (Sponsoring Dept.: ENTM). Specialization Areas: ECEV and GENB.

0101	Jennifer Shlichta	Seats (Total: 35)	
	TuTh 9:30am - 10:45am	PLS 1113	

BSCI497 **Insect Pests of Ornamentals and Turf**

BSCI497 Insect Pests of Ornamentals and Turf; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI227 or permission of instructor. Also offered as ENTM497. Credit will be granted for only one of the following: BSCI497, ENTM453, or ENTM497. Formerly ENTM453. The recognition, biology and management of insects and mites injurious to ornamental shrubs, trees, greenhouse crops, and turf. Emphasis on Integrated Pest Management (IPM).

0101	Paula Shrewsbury	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	PLS 1111	
	M 1:00pm - 4:00pm	PLS 1161	Lab

BSOS Behavioral and Social Sciences Fall 2010

BSOS181 **Civicus Student and the University**

BSOS181 Civicus Student and the University; (1 credit) Grade Method: REG/P-F/AUD.
Open to Civicus students only. Freshman standing. Knowledge and skills designed to utilize CIVICUS to enhance the college experience and preparation for civic engagement.

0101	James Bond M 2:00pm - 3:45pm	Seats (Total: 26) SOM 0101
0201	Stacie West Tu 2:00pm - 3:45pm	Seats (Total: 26) SOM 0101
0401	Lorna Lucas Th 2:00pm - 3:45pm	Seats (Total: 16) SOM 0101

BSOS188I **Selected Topics in the Behavioral and Social Sciences**

BSOS188I *(PermReq)* **Selected Topics in the Behavioral and Social Sciences; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Amanda Woodward Contact instructor or department for details.	Seats (Total: 8)

BSOS188T **Selected Topics in the Behavioral and Social Sciences; Transfer Students in BSOS**

BSOS188T *(PermReq)* **Selected Topics in the Behavioral and Social Sciences: Transfer Students in BSOS; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Melissa Kamin, Karmin Cortes **Meets August 30, 2010 - October 20, 2010** Tu 3:00pm - 4:50pm	Seats (Total: 30) JMZ 0122

BSOS191 **Introduction to Civicus**

BSOS191 Introduction to Civicus; (3 credits) Grade Method: REG.
Open to Civicus students only. 3 semester hours. An introduction to the social and historical foundations of a civil society. An examination of the roles of individuals, groups, social institutions and community services.

0101	Sue Briggs TuTh 9:30am - 10:45am	Seats (Total: 26) SOM 0101
0201	Sue Briggs TuTh 11:00am - 12:15pm	Seats (Total: 26) SOM 0101
0301	Sue Briggs TuTh 4:00pm - 5:15pm	Seats (Total: 26) SOM 0101

BSOS288A **Special Topics in Behavioral and Social Sciences; Peer Mentoring**

BSOS288A *(PermReq)* **Special Topics in Behavioral and Social Sciences: Peer Mentoring; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke Contact instructor or department for details.	Seats (Total: 25)

BSOS288C **Special Topics in Behavioral and Social Sciences; Center for American Politics and Citizenship Independent Study**

Contact department for information to register for this course.

BSOS288E **Special Topics in Behavioral and Social Sciences; Ethnicity, Institutions and Electoral Violance**

BSOS288E *(PermReq)* **Special Topics in Behavioral and Social Sciences: Ethnicity, Institutions and Electoral Violance; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Johanna Birnir Contact instructor or department for details.	Seats (Total: 3)

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

BSOS288I *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 20)

BSOS288T **Media and Terrorism**

BSOS288T Media and Terrorism; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
This course will investigate the interplay between terrorism around the world and mass media content about terrorism. The course will focus both on how news and entertainment media portray terrorism and terrorists, and the effects of terrorism and media portrayal of terrorism on the public and public policy. This course examines terrorism from historical and contemporary perspectives, providing grounds for learning about and discussion of the interplay between terrorism and communication.

FC01	Ashley Nellis	Seats (Total: 45)
	TuTh 7:30pm - 8:45pm	TWS 0236
	Restricted to students in Freshmen Connection.	

BSOS288V **Special Topics in Behavioral and Social Sciences; Technology Apprentice Program**

BSOS288V *(PermReq)* **Special Topics in Behavioral and Social Sciences: Technology Apprentice Program; (3 credits)** Grade Method: REG/P-F/AUD. Restricted to BSOS students. Technical skills and pedagogical basics needed to support faculty uses of technology in the classroom. Web publishing, academic website development, creating/using digitized media, electronic presentation tools, and discussion group facilitation. The class will usually meet face-to-face for two and one-half hours per week; however, three or four times per semester, the class will meet online instead. Students will interact and be assessed on their participation in an online environment. For permission to enroll or more information, please contact margaret Weber at mweber@bsos.umd.edu.

0101	Deborah Mateik	Seats (Total: 8)
	F 10:00am - 12:30pm	Location: TBA

BSOS289I **Playing the Market: Managing Risk and Using Technical Analysis**

BSOS289I Playing the Market: Managing Risk and Using Technical Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Playing the Market provides students with a way to use their intellect and imagination to desgin and implement rules for managing a $100,000 virtual stock portfolio as they investigate the critical issue of their ability to tolerate and control their risk in the stock market.

FC01	Eric Wish TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) TYD 1101

BSOS301 **Leadership in a Multicultural Society**

BSOS301 *(PermReq)* **Leadership in a Multicultural Society; (3 credits)** Grade Method: REG.
Prerequisites: SOCY105, BSOS181,and BSOS191. Sophomore standing. A study and application of skills, historical context, theories, and concepts for constructive leadership in a pluralistic, multicultural, and diverse society. Social science methodologies and theories will provide the structure for the study of contemporary social problems, civil society issues, and leadership practices.

0101	Sue Briggs MW 12:30pm - 1:45pm	Seats (Total: 26) SOM 0101
0201	Rhondie Voorhees TuTh 12:30pm - 1:45pm	Seats (Total: 30) SOM 0101
0301	Sue Briggs MW 4:30pm - 5:45pm	Seats (Total: 26) SOM 0101

BSOS309 **Civicus Seminar**

BSOS309 *(PermReq)* **Civicus Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 10)

BSOS330 **Terrorist Motivations and Behaviors**

BSOS330 *(PermReq)* **Terrorist Motivations and Behaviors; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students admitted into the Terrorism Studies Minor Program. An exploration of theories explaining the formation of terrorist groups and the motivations behind terrorist behavior, building upon theories from social psychology, sociology, political science, criminology, and history. Examination of historical examples as well as current examples of terrorist groups operating throughout the world.

0101	Johanna Birnir, Brian King M 1:30pm - 4:15pm	Seats (Total: 30) SQH 1103

BSOS332 **The Practice of Terrorism Studies**

BSOS332 *(PermReq)* **The Practice of Terrorism Studies; (5 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSOS330 and BSOS331. Restricted to students enrolled in the Terrorism Studies Minor Program. Serves as the capstone for the Terrorism Studies Minor Program. Students complete an approved internship or conduct a relevant, original research project and meet regularly with an instructor to learn and apply academic and professional analytical tools relevant to the study of terrorism.

0101	Katherine Izsak Tu 1:00pm - 3:45pm Contact instructor or department for details.	Seats (Total: 30) PLS 1119

BSOS386 **Experiential Learning**

BSOS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

BSOS388 **Behavioral and Social Sciences Special Topics**

BSOS388 Behavioral and Social Sciences Special Topics; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388A **Behavioral and Social Sciences Special Topics; Editorial Skills and Research Methods**

BSOS388A *(PermReq)* **Behavioral and Social Sciences Special Topics: Editorial Skills and Research Methods; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Suheil Bushrui Contact instructor or department for details.	Seats (Total: 2)

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

BSOS388E *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

BSOS388I *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 30)
	Contact instructor or department for details.	

BSOS388L **Behavioral and Social Sciences Special Topics; Advanced Peer Training**

BSOS388L *(PermReq)* **Behavioral and Social Sciences Special Topics: Advanced Peer Training; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke	Seats (Total: 10)
	Contact instructor or department for details.	

BSOS388M **Behavioral and Social Sciences Special Topics; Social Science Independent Research.**

BSOS388M *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Independent Research.; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Wayne McIntosh	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS388O **Behavioral and Social Sciences Special Topics; Geography of Terrorism**

BSOS388O *(PermReq)* **Behavioral and Social Sciences Special Topics: Geography of Terrorism; (3 credits)** Grade Method: REG/P-F/AUD. Department permission required. Why do some areas of the world tend to have more violent conflict? Do terrorists consider spatial features of a possible target when selecting a location for their attack? How can understanding the geographic perspective of a terrorist group affect the ability to effectively carry out counterterrorism? This course will address these questions and is designed for students interested in working in the intelligence community and/or pursuing graduate work in political science, criminology, or policy analysis. Registration is by permission only; interested students should send a resume and brief cover letter explaining their interest in the course to bbehlendorf@crim.umd.edu.

0101	Brandon Behlendorf	Seats (Total: 15)
	W 10:00am - 1:00pm	LEF 0231

BSOS388Q **Behavioral and Social Sciences Special Topics; Cesar Directed Study**
Contact department for information to register for this course.

BSOS388T **Behavioral and Social Sciences Special Topics; Teaching Assistant Training**

BSOS388T *(PermReq)* **Behavioral and Social Sciences Special Topics: Teaching Assistant Training; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS399A **Directed Study in Behavioral and Social Sciences; Introduction to Arab-Islamic Civilization**
Contact department for information to register for this course.

BSOS399B **Directed Study in Behavioral and Social Sciences; Directed Research in International Development**

BSOS399B Directed Study in Behavioral and Social Sciences: Directed Research in International Development; (4 credits) Grade Method: REG/P-F/AUD.

0101	John Grayzel	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS399C **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**

BSOS399C *(PermReq)* **Directed Study in Behavioral and Social Sciences: Civicus Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 12)
	Contact instructor or department for details.	

BSOS399J **Directed Study in Behavioral and Social Sciences; Independent Study in Terrorism Studies**

BSOS399J *(PermReq)* **Directed Study in Behavioral and Social Sciences: Independent Study in Terrorism Studies; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS399K **Directed Study in Behavioral and Social Sciences; Directed Study in CAPC**
Contact department for information to register for this course.

BSOS399O **Directed Study in Behavioral and Social Sciences; Teaching on the Topic of Terrorism**

BSOS399O *(PermReq)* **Directed Study in Behavioral and Social Sciences: Teaching on the Topic of Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS399T **Directed Study in Behavioral and Social Sciences; Terrorism Studies**

BSOS399T *(PermReq)* **Directed Study in Behavioral and Social Sciences: Terrorism Studies; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS399V **Directed Study in Behavioral and Social Sciences; Internship with Community Roots**

BSOS399V *(PermReq)* **Directed Study in Behavioral and Social Sciences: Internship with Community Roots; (4 credits)** Grade Method: REG/P-F/AUD.

0101	Valencia Skeeter	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS399Z **Directed Study in Behavioral and Social Sciences; The Role of Religion in Conflict and Resolution**

Contact department for information to register for this course.

BSOS608 **LEAD Professional Seminar**

BSOS608 *(PermReq)* **LEAD Professional Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Mark Adamshick	Seats (Total: 15)
	Contact instructor or department for details.	

BSOS610 **The Academy and the Brigade**

BSOS610 The Academy and the Brigade; (3 credits) Grade Method: REG. *Prerequisite: Approved member of LEAD Cohort.* The course examnies the history, function, and purpose of the United States Naval Academy (USNA) with an eye toward the application of knowledge as a member of and leader for the institution. Sociological issues such as race, gender, ethnicity, and demographic variations are addressed, as are the formal and informal organizational structures that define the Academy. This course is purposefully designed to bridge the more general LEAD curriculum with the specific duties endemic to the role of the Company Officer. The course will also examine the students who comprise the Brigade of Midshipmen, to include basic demographics, motivations, and trends.

0101	Joseph Thomas	Seats (Total: 15)
	W 9:00pm - 11:45pm	Location: TBA
	Meets in 111 Luce Hall at the Naval Acadamy.	

BSOS632 **Development of Counterterrorism Policy and Programs**

Contact department for information to register for this course.

BSOS698 **LEAD Special Topics**

BSOS698 *(PermReq)* **LEAD Special Topics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC Accounting and Information Assurance — Fall 2010

BUAC743 **Financial Statement Analysis**

BUAC743 Financial Statement Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI610. For Majors only or permission of department.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

0101	Howard Schilit	Seats (Total: 42)
	Meets August 25, 2010 - October 13, 2010	
	MW 1:00pm - 2:50pm	VMH 1520

BUAC758B **Special Topics in Accounting and Information Assurance; Tax Considerations for Strategic Management Decisions**

BUAC758B Special Topics in Accounting and Information Assurance: Tax Considerations for Strategic Management Decisions; (2 credits) Grade Method: REG.

GS01	Eugene Cantor	Seats (Total: 35)
	Meets October 25, 2010 - December 9, 2010	
	M 6:25pm - 10:00pm	BLD3 4202

BUAC758I **Special Topics in Accounting and Information Assurance; Internal Audit #2**

BUAC758I *(PermReq)* **Special Topics in Accounting and Information Assurance: Internal Audit #2; (3 credits)** Grade Method: REG.
Meets 8/28, 9/11, 9/25, 10/2, 10/9, 10/16, 10/23, 10/30, 11/6, 11/13.

GS06	Alan Siegfried, Elizabeth Folsom	Seats (Total: 0)
	Meets August 28, 2010 - November 13, 2010	
	Sa 8:30am - 12:15pm	BLD3 4202
	Meets 8/28, 9/11, 9/25, 10/2, 10/9, 10/16, 10/23, 10/30, 11/6, 11/13.	

BUAC758P **Special Topics in Accounting and Information Assurance; Action Learning Project**

BUAC758P *(PermReq)* **Special Topics in Accounting and Information Assurance: Action Learning Project; (1 credit)** Grade Method: REG.

GS06	Matthew Gagnon	Seats (Total: 0)
	Meets August 28, 2010 - December 4, 2010	
	Sa 5:00pm - 6:00pm	BLD3 4202
	Meets 8/28, 9/11, 9/25, 10/2, 10/9, 10/16, 10/23, 10/30, 11/6, 11/13. Meets 8:30am-3:15pm on 12/4.	

BUAC758Q **Special Topics in Accounting and Information Assurance; Action Learning Project**

BUAC758Q Special Topics in Accounting and Information Assurance: Action Learning Project; (1 credit) Grade Method: REG.

GS06	Matthew Gagnon	Seats (Total: 35)
	Meets August 28, 2010 - December 4, 2010	
	Sa 5:00pm - 6:00pm	BLD3 4202
	Meets 8/28, 9/11, 9/25, 10/2, 10/9, 10/16, 10/23, 10/30, 11/6, 11/13. Meets 8:30am-3:15pm on 12/4.	

BUAC758X **Special Topics in Accounting and Information Assurance; Advanced Managerial Accounting and Control Systems**

BUAC758X *(PermReq)* **Special Topics in Accounting and Information Assurance: Advanced Managerial Accounting and Control Systems; (3 credits)** Grade Method: REG.

GS06	Colin Linsley	Seats (Total: 0)
	Meets October 16, 2010 - November 20, 2010	
	Sa 8:30am - 5:00pm	BLD2 3032
	Meets 10/16, 10/23, 10/30, 11/6, 11/13, Final 11/20.	

BUAC758Z **Special Topics in Accounting and Information Assurance; Financial Statement Analysis**

BUAC758Z *(PermReq)* **Special Topics in Accounting and Information Assurance: Financial Statement Analysis; (3 credits)** Grade Method: REG.

GS06	Gary Bulmash	Seats (Total: 0)
	Meets August 28, 2010 - October 9, 2010	
	Sa 8:30am - 5:00pm	BLD2 3032
	Meets 8/28, 9/4, 9/11, 9/25, 10/2, Final 10/9.	

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT Decision and Information Technologies Fall 2010

BUDT733 **Data Mining for Business**

BUDT733 Data Mining for Business; (3 credits) Grade Method: REG. *Prerequisite: BUSI 630. Credit will be granted for only one of the following: BMGT 733 or BUDT 733. Formerly BMGT733.* Data mining techniques and their use in strategic business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering. Non-majors should review their registration eligibility in the statement preceding the BUDT courses.

0101	Inbal Shenberger	Seats (Total: 40)
	Meets August 31, 2010 - December 9, 2010	
	Tu 10:15am - 12:45pm	VMH 1520

DC01	Inbal Shenberger **Meets August 31, 2010 - December 9, 2010** Tu 6:30pm - 9:10pm	Seats (Total: 42) DC C2

BUDT750 **Game Theory for Managerial Decisions**

BUDT750 Game Theory for Managerial Decisions; (3 credits) Grade Method: REG.

Prerequisite: BUSI690. A study of managerial decision-making in strategic (or interactive) situations characterized by both conflict and cooperation. Introduces basic tools of game theory including simultaneous and sequential-move games, equilibrium analysis, repeated interactions, information assymetry, and principal-agent models. Applications of game theory to managerial decisions such as pricing, promotions, entry/exit decisions, deterrence, design of incentive contracts, supply chain relationships, auctions.

0101	Shreevardhan Lele **Meets September 1, 2010 - December 8, 2010** W 5:10pm - 7:55pm	Seats (Total: 40) VMH 1520

BUDT758I **Special Topics in Decision, Operations and Information Technologies; Financial Information Systems**

BUDT758I Special Topics in Decision, Operations and Information Technologies: Financial Information Systems; (2 credits) Grade Method: REG.

BA01	Barnet Corwin **Meets October 25, 2010 - December 9, 2010** M 6:25pm - 10:00pm	Seats (Total: 35) BA 103

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

BUDT775 Pricing and Revenue Management; (2 credits) Grade Method: REG.
For Majors Only or permission of department. Credit will be granted for only one of the following: BUDT758D or BUDT775. Formerly BUDT758D. Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

BA01	Mahesh Kumar **Meets August 25, 2010 - October 13, 2010** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.*	Seats (Total: 35) BA 102
GS01	Sharon Hormby **Meets September 1, 2010 - October 13, 2010** W 6:25pm - 10:00pm	Seats (Total: 35) BLD3 3230

BUFN Finance Fall 2010

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN750 **Valuation in Corporate Finance**

BUFN750 *(PermReq)* **Valuation of Corporate Finance; (2 credits)** Grade Method: REG.
Prerequisite: BUSI640. For majors only. Credit will be granted for only one of the following: BUFN714 or BUFN750. Formerly BUFN714. An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

DC51	Michael Cichello **Meets October 26, 2010 - December 9, 2010** Tu 2:00pm - 5:35pm *For MS in Business: Finance students only.*	Seats (Total: 0) DC C1

BUFN752 **Financial Restructuring**

BUFN752 Financial Restructuring; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For majors only. Credit will be granted for only one of the following: BUFN716 or BUFN752. Formerly BUFN716.* Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

0101	Gerard Hoberg **Meets August 25, 2010 - October 13, 2010** MW 10:30am - 12:20pm	Seats (Total: 37) VMH 1518
DC01	Gerard Hoberg **Meets August 26, 2010 - October 13, 2010** Th 6:25pm - 10:00pm	Seats (Total: 45) DC C2
DC51	Bharat Jain **Meets October 21, 2010 - December 11, 2010** Th 2:00pm - 5:35pm *For MS in Business: Finance students only.*	Seats (Total: 35) DC C2
GS01	Gerard Hoberg **Meets August 25, 2010 - October 13, 2010** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.*	Seats (Total: 35) BLD3 3202

BUFN754 **Corporate Risk Management**

BUFN754 Corporate Risk Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For majors only.* Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

0101	Clifford Rossi **Meets August 25, 2010 - October 13, 2010** MW 3:10pm - 5:00pm	Seats (Total: 40) VMH 1520
DC01	Clifford Rossi **Meets October 21, 2010 - December 9, 2010** M 6:25pm - 10:00pm	Seats (Total: 45) DC C2

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

BUFN760 Applied Equity Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN702 or BUFN760. Formerly BUFN702.* Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

BA01	Sarah Kroncke **Meets October 27, 2010 - December 9, 2010** W 6:25pm - 10:00pm	Seats (Total: 35) BA 102
DC06	Joseph Perfetti **Meets August 28, 2010 - October 16, 2010** Sa 8:40am - 12:50pm *Meets 8/28, 9/4, 9/18, 9/25, 10/9, 10/16.*	Seats (Total: 45) DC C2

BUFN761 **Derivative Securities**

BUFN761 *(PermReq)* **Derivative Securities; (2 credits)** Grade Method: REG. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN726 or BUFN761. Formerly BUFN726.* Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

DC51	Dilip Madan **Meets October 25, 2010 - December 9, 2010** M 2:00pm - 5:35pm *For MS in Business: Finance students only.*	Seats (Total: 0) DC C1

BUFN762 **Fixed Income Analysis**

BUFN762 Fixed Income Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN731 or BUFN762. Formerly BUFN731.* Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

0101	Mark Taranto **Meets October 25, 2010 - December 9, 2010** MW 3:10pm - 5:00pm	Seats (Total: 35) VMH 1520
DC51	Mark Taranto **Meets August 25, 2010 - October 13, 2010** M 2:00pm - 5:35pm *For MS in Business: Finance students only. The inital class meeting wil take place on Wednesday, August 25 2010 at the usual time and location.*	Seats (Total: 0) DC C1

BUFN763 **Portfolio Management**

BUFN763 Portfolio Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN700 or BUFN763. Formerly BUFN700.* Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

0101	Michael Lee **Meets October 25, 2010 - December 9, 2010** MW 10:30am - 12:20pm	Seats (Total: 35) VMH 1518
DC01	Karl Snow **Meets August 25, 2010 - October 13, 2010** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.*	Seats (Total: 45) DC C2

BUFN770 **International Investment**

BUFN770 International Investment; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN724; or BUFN770 and BUFN771. Formerly BUFN724. Addresses international stock markets, portfolio theory, international interest rates, exchange rates and exchange rate derivatives (options, forwards, and futures), exchange rate swaps and exchange rate exposure (operating, translation, and transaction), foreign investment strategey.

0101	Steven Heston **Meets August 25, 2010 - October 13, 2010** MW 8:30am - 10:20am	Seats (Total: 35) VMH 1505
BA01	Steven Heston **Meets August 25, 2010 - October 13, 2010** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time in room BA 103. All Monday meetins will take place in room BA 101.*	Seats (Total: 40) BA 101
DC01	Steven Heston **Meets September 1, 2010 - October 13, 2010** W 6:25pm - 10:00pm	Seats (Total: 45) DC C2
DC51	Steven Heston **Meets October 21, 2010 - December 9, 2010** W 2:00pm - 5:35pm	Seats (Total: 35) DC C2

BUFN771 **International Corporate and Project Finance**

BUFN771 International Corporate and Project Finance; (2 credits) Grade Method: REG.
Prerequisite: BUFN770. For majors only. Credit will be granted for only one of the following: BUFN724; or BUFN770 and BUFN771. Formerly BUFN724. Continuation of BUFN770. Issues addressed will include captial budgeting, project financing, exhange rate exposure (operating, translation, and transaction), foreign investment strategy, and risk management.

DC01	Steven Heston **Meets October 21, 2010 - December 9, 2010** Th 6:25pm - 10:00pm	Seats (Total: 45) DC C2

BUFN772 **Bank Management**

BUFN772 Bank Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN722 or BUFN772. Formerly BUFN722. Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services inductry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

DC06	Clifford Rossi **Meets October 30, 2010 - December 18, 2010** Sa 8:15am - 1:15pm *Meets 10/30, 11/6, 11/20, 12/4, 12/18.*	Seats (Total: 45) DC C2
GS01	Elinda Kiss **Meets October 25, 2010 - December 9, 2010** M 6:25pm - 10:00pm	Seats (Total: 35) BLD3 3202

BULM Logistics, Business, and Public Policy — Fall 2010

BULM742 **Global Supply Chain Resources Planning**

BULM742 Global Supply Chain Resources Planning; (2 credits) Grade Method: REG.
For Majors only or permission of department. Provides students with an overall understanding of how firms use an advanced supply chain planning (ASCP) application as an integral part of their materials management process which includes such activities as production planning, materials requirements planning, and distribution requirements planning.

GS01	Thomas Corsi, Philip Evers **Meets September 18, 2010 - October 16, 2010** Sa 8:30am - 5:50pm *Meets 9/18, 10/2, 10/16.*	Seats (Total: 24) BLD3 2230

BULM758D **Special Topics in Logistics, Business and Public Policy; Competing in Emerging Markets**

BULM758D Special Topics in Logistics, Business and Public Policy: Competing in Emerging Markets; (2 credits) Grade Method: REG.

0101	Vinod Jain **Meets August 25, 2010 - October 13, 2010** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1518
DC01	Vinod Jain **Meets August 30, 2010 - October 13, 2010** W 6:25pm - 10:00pm	Seats (Total: 35) DC C4

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Fall 2010

BUMK701 **Marketing Research Methods**

BUMK701 Marketing Research Methods; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits.. Prerequisites: BUSI 630 and BUSI 650. Credit will be granted for only one of the following: BMGT 752 or BUMK 701. Formerly BMGT752. The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.

0101	Joydeep Srivastava **Meets October 25, 2010 - December 9, 2010** MW 3:10pm - 5:00pm	Seats (Total: 38) VMH 1518
DC06	Joydeep Srivastava **Meets October 30, 2010 - December 18, 2010** Sa 1:45pm - 6:45pm *Meets 10/30, 11/6, 11/20, 12/4, 12/18.*	Seats (Total: 35) DC C2

BUMK706 **Marketing Analysis**

BUMK706 Marketing Analysis; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits.. Prerequisite: BUSI 650. Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Michel Wedel **Meets August 25, 2010 - October 13, 2010** MW 3:10pm - 5:00pm	Seats (Total: 38) VMH 1518

DC06	Michel Wedel **Meets August 28, 2010 - October 16, 2010** Sa 1:40pm - 5:50pm *Meets 8/28, 9/4, 9/18, 9/25, 10/9, 10/16.*	Seats (Total: 35) DC C2

BUMK716 **Brand Management**

BUMK716 Brand Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. For Majors only or permission of department. Brand names are valuable assets for firms. Effective brand management is critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.

0101	Rebecca Hamilton **Meets October 25, 2010 - December 9, 2010** MW 10:30am - 12:20pm	Seats (Total: 37) VMH 1520
BA01	Rebecca Hamilton **Meets October 25, 2010 - December 9, 2010** M 6:25pm - 10:00pm	Seats (Total: 35) BA 102
GS01	Rebecca Hamilton **Meets October 27, 2010 - December 9, 2010** W 6:25pm - 10:00pm	Seats (Total: 35) BLD3 3230

BUMK717 **Integrated Marketing Communications**

BUMK717 Integrated Marketing Communications; (2 credits) Grade Method: REG. *Prerequisite: BUSI650. For Majors only or permission of department.* Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communcation plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.

DC01	Gabriel Biehal	Seats (Total: 38)
	Meets October 27, 2010 - December 9, 2010	
	W 6:25pm - 10:00pm	DC C2

BUMK753 **Global Marketing**

BUMK753 Global Marketing; (2 credits) Grade Method: REG. *Prerequisite: BUSI650. Cannot be repeated for 3 credits. Credit will be granted for only one of the following: BMGT 753 or BUMK 753. Formerly BMGT753.* The environmental, organizational, and financial aspects of global marketing are covered. It also describes the special marketing research, pricing, channels of distribution, product policy, and communication issues which face U.S. firms doing business in global markets.

BA01	Amna Khawaja	Seats (Total: 35)
	Meets August 28, 2010 - October 9, 2010	
	TBA	BA 103
	Meets from 8:30am-3:15pm on Saturdays 8/28, 9/11, 10/2, and 10/9.	

BUMK758V **Special Topics in Marketing; Marketing for Social Value**

BUMK758V Special Topics in Marketing: Marketing for Social Value; (2 credits) Grade Method: REG.

0101	Rebecca Ratner	Seats (Total: 35)
	Meets August 25, 2010 - October 13, 2010	
	MW 10:30am - 12:20pm	VMH 1520

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Fall 2010

BUMO712 **Leadership Development**

BUMO712 Leadership Development; (3 credits) Grade Method: REG. *Prerequisite: BUSI664. For BMGT majors only.* Focuses on developing skills to inspire, influence and organize others to accomplish key goals. Building on leadership theories, course includes assessment & role-playing activities, discussions, cases, and exercises to assess and develop personal capabilities.

0101	Cynthia Stevens	Seats (Total: 41)
	Meets August 26, 2010 - December 9, 2010	
	Th 2:00pm - 4:40pm	VMH 1520

BUMO714 **Executive Power and Negotiation**

Any remaining seats in BUMO courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMO course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUMO714 Executive Power and Negotiation; (3 credits) Grade Method: REG. *Credit will be granted for only one of the following: BMGT 764 or BUMO 714. Formerly BMGT764.* Negotiations knowledge and skills through a series of readings (the use of power during bargaining exchanges, principles of effective listening, and bargaining strategies and tactics) and through the opportunity to practice negotiating. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

0101	Joyce Russell **Meets August 26, 2010 - December 9, 2010** Th 10:15am - 12:45pm	Seats (Total: 40) VMH 1528
0201	Joyce Russell **Meets August 30, 2010 - December 12, 2010** Tu 8:20am - 10:50am	Seats (Total: 40) VMH 1330
BA01	Jeffrey Kudisch **Meets August 31, 2010 - December 9, 2010** Tu 6:30pm - 9:10pm	Seats (Total: 40) BA 101

DC01	Cynthia Stevens **Meets August 26, 2010 - December 9, 2010** Th 7:00pm - 9:40pm	Seats (Total: 40) DC C6

BUMO720 **Organizational Change**

BUMO720 Organizational Change; (3 credits) Grade Method: REG.
Prerequisite: BUSI664. For BMGT majors only. Develops the fundamental change knowledge and skills of MBA students who plan to work with organizations as change agents, whether internally as managerial employees or externally as outside consultants. Draws on literatures from organizational behavior, human resource management and strategic management to identify models as prescriptions of change.

DC01	Myeong-Gu Seo **Meets August 31, 2010 - December 7, 2010** Tu 6:30pm - 9:10pm	Seats (Total: 40) DC C6
GS01	James Spina **Meets September 25, 2010 - December 4, 2010** Sa 8:30am - 6:30pm *Meets 9/25, 10/9, 10/23, 12/4.*	Seats (Total: 40) BLD3 3230

BUMO751 **Implementing Strategy: Organizing to Compete**

BUMO751 Implementing Strategy: Organizing to Compete; (3 credits) Grade Method: REG.
Prerequisite: completion of the MBA core requirements or permission of department. Corequisite: BUSI 690. Credit will be granted for only one of the following: BMGT 767 or BUMO 751. Formerly BMGT767. Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

0101	Michael Lawless **Meets August 31, 2010 - December 9, 2010** Tu 10:15am - 12:45pm	Seats (Total: 40) VMH 1528
GS01	Michael Lawless **Meets August 31, 2010 - December 9, 2010** Tu 6:30pm - 9:10pm	Seats (Total: 40) BLD2 3032

BUMO752 **Strategic Growth for Emerging Companies**

BUMO752 Strategic Growth for Emerging Companies; (3 credits) Grade Method: REG.
For MBA majors only. Credit will be granted for only one of the following: BMGT 791 and BUMO 752. Formerly BMGT791. Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequentemergence as a player. Meets 8/28, 9/11, 9/25, 10/9, 10/23, 11/6, 11/20, 12/4, Final 12/18.

DC06	Kenneth Gabriel **Meets August 28, 2010 - December 18, 2010** Sa 2:00pm - 6:45pm	Seats (Total: 40) DC C5

BUMO756 **Industry and Competitor Analysis**

BUMO756 Industry and Competitor Analysis; (3 credits) Grade Method: REG.
Recommended: BUSI 690. Credit will be granted for only one of the following: BMGT 792 or BUMO 756. Formerly BMGT792. This industry and competitor analysis seminar provides students with the conceptual framework and analytical tools for understanding the dynamics of industry structure and how competitors actually interact in the marketplace. An understanding of the dynamics of competition and industry evolution is an important input in the development of an effective competitive strategy. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

BA01	Michael Lawless **Meets September 1, 2010 - December 9, 2010** W 6:30pm - 9:10pm	Seats (Total: 40) BA 103
DC01	Oliver Schlake **Meets August 25, 2010 - December 9, 2010** M 6:30pm - 9:10pm *The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.*	Seats (Total: 40) DC C6

BUMO758K **Special Topics in Management and Organization; Management Consulting**

BUMO758K Special Topics in Management and Organization: Management Consulting; (2 credits) Grade Method: REG.

0101	Mukul Kumar **Meets October 25, 2010 - December 9, 2010** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1518
BA01	Kenneth Gabriel **Meets October 21, 2010 - December 9, 2010** Th 6:25pm - 10:00pm	Seats (Total: 37) BA 102

BUMO758T **Special Topics in Management and Organization; Technology Commercialization**

BUMO758T Special Topics in Management and Organization: Technology Commercialization; (2 credits) Grade Method: REG.

Students will build commercialization plans for University of Maryland Technologies protected by the Office of Technology Commercialization. Students will learn different mechanisms for successful technology transfer and work closely with the instructor, the Dingman Center managing director and affiliated professionals. Successful students may pursue additional funding through the Dingman Center to support further commercialization efforts.

0101	Brent Goldfarb Th 10:15am - 12:00pm	Seats (Total: 35) VMH 1520

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI Part-Time MBA Program Fall 2010

BUSI610 **Introduction to Financial Accounting**

BUSI610 *(PermReq)* **Introduction to Financial Accounting; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 610 or BUSI 610. Formerly BMGT610. Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rebecca Hann **Meets August 25, 2010 - October 13, 2010** MW 8:30am - 10:20am	Seats (Total: 0) VMH 1511
0201	Rebecca Hann **Meets August 25, 2010 - October 13, 2010** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1511
0301	Rebecca Hann **Meets August 25, 2010 - October 13, 2010** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
BA01	Michael Finch **Meets August 26, 2010 - October 13, 2010** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 104

BA04	Michael Finch	Seats (Total: 0)
	Meets August 28, 2010 - October 9, 2010	
	W 6:00pm - 10:00pm	BA 101
	Sa 8:30am - 12:50pm	BA 101
	Meets 8/28, 9/1, 9/11, 9/15, 9/25, 9/29, Final 10/9.	
DC01	Michael Finch	Seats (Total: 0)
	Meets August 25, 2010 - October 13, 2010	
	M 6:25pm - 10:00pm	DC C1
	The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.	
DC02	Michael Finch	Seats (Total: 0)
	Meets August 31, 2010 - October 13, 2010	
	Tu 6:25pm - 10:00pm	DC C1
DC51	Colin Linsley	Seats (Total: 0)
	Meets September 1, 2010 - October 13, 2010	
	W 2:00pm - 5:35pm	DC C1
	For MS in Business: Finance students only.	
GS01	Progyan Basu	Seats (Total: 0)
	Meets September 1, 2010 - October 13, 2010	
	W 6:25pm - 10:00pm	BLD2 3032
GS04	Progyan Basu	Seats (Total: 0)
	Meets August 28, 2010 - October 9, 2010	
	Tu 6:00pm - 10:00pm	BLD3 3202
	Sa 8:30am - 12:50pm	BLD3 3202
	Meets 8/28, 8/31, 9/11, 9/14, 9/25, 9/28, Final 10/9.	

BUSI630 Data Models and Decisions

BUSI630 *(PermReq)* **Data Models and Decisions; (3 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 630 or BUSI 630. Formerly BMGT630.* To develop probabilistic and statistical concepts, methods and models through examples motivated by real-life data from business and to stress the role that statistics plays in the managerial decision making process. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Shreevardhan Lele **Meets August 26, 2010 - December 9, 2010** TuTh 10:00am - 11:15am	Seats (Total: 0) VMH 1505
0201	Shreevardhan Lele **Meets August 26, 2010 - December 9, 2010** TuTh 11:30am - 12:45pm	Seats (Total: 0) VMH 1505
0301	Shreevardhan Lele **Meets August 26, 2010 - December 9, 2010** TuTh 2:00pm - 3:15pm	Seats (Total: 0) VMH 1505
BA04	Subramanian Raghavan **Meets October 13, 2010 - December 18, 2010** W 6:00pm - 10:00pm Sa 8:30am - 12:55pm *Meets 10/13, 10/23, 10/27, 11/6, 11/10, 11/20, 11/24, 12/4, 12/8, Final 12/18.*	Seats (Total: 0) BA 101 BA 101
DC06	Kislaya Prasad **Meets August 28, 2010 - December 18, 2010** Sa 9:00am - 12:45pm *Meets 8/28, 9/4, 9/18, 9/25, 10/9, 10/16, 10/30, 11/6, 11/20, 12/4 Fina 12/18.*	Seats (Total: 0) DC C1

GS04	Wolfgang Jank	Seats (Total: 0)
	Meets October 12, 2010 - December 18, 2010	
	Tu 6:00pm - 10:00pm	BLD3 3202
	Sa 8:30am - 12:55pm	BLD3 3202
	Meets 10/12, 10/23, 10/26, 11/6, 11/9, 11/20, 11/23, 12/4, 12/7, Final 12/18.	

BUSI634 **Operations Management**

BUSI634 *(PermReq)* **Operations Management; (2 credits)** Grade Method: REG. *For majors only or permission of department.* Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

BA01	Yi Xu	Seats (Total: 0)
	Meets September 1, 2010 - October 13, 2010	
	W 6:25pm - 10:00pm	BA 104
DC01	Wedad Elmaghraby	Seats (Total: 0)
	Meets August 25, 2010 - October 13, 2010	
	M 6:25pm - 10:00pm	DC C3
	The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.	
DC02	Yi Xu	Seats (Total: 0)
	Meets August 31, 2010 - October 13, 2010	
	Tu 6:25pm - 10:00pm	DC C3
GS01	Yi Xu	Seats (Total: 0)
	Meets August 26, 2010 - October 13, 2010	
	Th 6:25pm - 10:00pm	BLD3 3241

BUSI640 **Financial Management**

BUSI640 *(PermReq)* **Financial Management; (3 credits)** Grade Method: REG. *Corequisites: BUSI 610 and BUSI 630. For BMGT majors only. Credit will be granted for only one of the following: BMGT 640 or BUSI 640. Formerly BMGT640.* Analysis of major corporate financial decisions using a market-oriented framework. Topics include capital budgeting, security portfolio theory, operation and efficiency of financial markets, options pricing, financing decisions, capital structure, payout policy and international finance. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Michael Faulkender **Meets August 26, 2010 - December 9, 2010** TuTh 11:30am - 12:45pm	Seats (Total: 0) VMH 1511
0201	Michael Faulkender **Meets August 26, 2010 - December 9, 2010** TuTh 2:00pm - 3:15pm	Seats (Total: 0) VMH 1511
0301	Michael Faulkender **Meets August 26, 2010 - December 9, 2010** TuTh 3:30pm - 4:45pm	Seats (Total: 0) VMH 1511
BA01	Nagpurnanand Prabhala **Meets August 25, 2010 - December 9, 2010** M 6:30pm - 9:10pm *The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.*	Seats (Total: 0) BA 104
BA04	Nagpurnanand Prabhala **Meets October 9, 2010 - December 15, 2010** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 10/9, 10/20, 10/23, 11/3, 11/6, 11/17, 11/20, 12/1, 12/4, Final 1 /15.*	Seats (Total: 0) BA 101 BA 101

DC01	Haluk Unal **Meets September 1, 2010 - December 9, 2010** W 6:30pm - 9:10pm	Seats (Total: 0) DC C3
DC02	Nagpurnanand Prabhala **Meets August 26, 2010 - December 9, 2010** Th 6:30pm - 9:10pm	Seats (Total: 0) DC C3
DC06	Haluk Unal **Meets August 28, 2010 - December 18, 2010** Sa 8:30am - 12:30pm *Meets 8/28, 9/4, 9/18, 9/25, 10/9, 10/16, 10/30, 11/6, 11/20, 12/4 Fina 12/18.*	Seats (Total: 0) DC C3
DC51	Gurdip Bakshi **Meets August 25, 2010 - October 13, 2010** TuTh 2:50pm - 5:35pm *For MS in Business: Finance students only.*	Seats (Total: 0) DC C1
GS01	Haluk Unal **Meets August 31, 2010 - December 9, 2010** Tu 6:30pm - 9:10pm	Seats (Total: 0) BLD3 3241
GS04	Alexander Triantis **Meets October 9, 2010 - December 14, 2010** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 10/9, 10/19, 10/23, 11/2, 11/6, 11/16, 11/20, 11/30, 12/4, Final 12/14.*	Seats (Total: 0) BLD3 3202 BLD3 3202

BUSI650 Marketing Management

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 650 or BUSI 650. Formerly BMGT650.* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	David Godes **Meets October 25, 2010 - December 9, 2010** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505
0201	David Godes **Meets October 25, 2010 - December 9, 2010** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
0301	David Godes **Meets October 25, 2010 - December 9, 2010** MW 3:10pm - 5:00pm	Seats (Total: 0) VMH 1505

BUSI660 **Entrepreneurship and New Ventures**

BUSI660 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BUMO732 or BUSI660.* Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

DC06	Brent Goldfarb **Meets August 28, 2010 - October 9, 2010** Sa 1:15pm - 6:15pm *Meets 8/28, 9/4, 9/18, 9/25, 10/9.*	Seats (Total: 50) DC C3

BUSI661 **Creativity for Business Leaders and Entrepreneurs**

BUSI661 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.

For BMGT majors only. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

DC06	Oliver Schlake	Seats (Total: 50)
	Meets August 28, 2010 - October 9, 2010	
	Sa 1:15pm - 6:15pm	DC C6
	Meets 8/28, 9/4, 9/18, 9/25, 10/9.	

BUSI664 **Leadership and Managing Human Capital**

BUSI664 *(PermReq)* **Leadership and Managing Human Capital; (3 credits)** Grade Method: REG.

For BMGT majors only. Credit will be granted for only one of the following: BUSI662 and BUSI663 or BUSI664. Examines concepts of leadership and human resource management principles. Emphasizes skill building and creating a competitive advantage by creating a culture that develops extraordinary leaders and unleashes employee talent. Topics include leadership, decision making, communication and conflict, work motivation, teams, ensuring legal compliance and leveraging diversity, recruiting, selecting and retaining qualified employees who fit the job and the organization, measuring performance and providing feedback, and managing changes in leadership and HR strategy.

0101	Gilad Chen	Seats (Total: 0)
	Meets August 31, 2010 - December 9, 2010	
	Tu 2:00pm - 4:40pm	VMH 1520

0201	Jeffrey Kudisch **Meets August 26, 2010 - December 9, 2010** Th 8:35am - 11:15am	Seats (Total: 0) VMH 1511
0301	Gilad Chen **Meets August 31, 2010 - December 9, 2010** Tu 8:35am - 11:15am	Seats (Total: 0) VMH 1511
BA01	Karen Wouters **Meets August 31, 2010 - December 9, 2010** Tu 6:30pm - 9:10pm	Seats (Total: 0) BA 104
DC01	Karen Wouters **Meets September 1, 2010 - December 9, 2010** W 6:30pm - 9:10pm	Seats (Total: 0) DC C1
DC02	Paul Tesluk **Meets August 26, 2010 - December 9, 2010** Th 6:30pm - 9:10pm	Seats (Total: 0) DC C1
DC06	Cynthia Stevens **Meets August 28, 2010 - December 18, 2010** Sa 2:00pm - 5:45pm	Seats (Total: 0) DC C1
	Meets 8/28, 9/4, 9/18, 9/25, 10/9, 10/16, 10/30, 11/6, 11/20, 12/4 Fina 12/18.	
GS01	Karen Wouters **Meets August 25, 2010 - December 9, 2010** M 6:30pm - 9:10pm	Seats (Total: 0) BLD2 3032
	The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.	

BUSI672 Global Supply Chain Management

BUSI672 Global Supply Chain Management; (2 credits) Grade Method: REG. *For majors only.* Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

0101	Sandor Boyson **Meets October 25, 2010 - December 9, 2010** MW 8:30am - 10:20am	Seats (Total: 50) VMH 1511

BUSI673 **International Economics for Managers**

BUSI673 International Economics for Managers; (2 credits) Grade Method: REG. *For majors only.* Focuses on understanding critical aspects of the global business environment that influence firm decisions and behavior. Globalization is present in market competition, capital markets, and managerial talent as evidenced by free trade areas and economic unions forming, the volatility in global financial markets, and the continued rise of transnational firms. With globalization, the challenge for firms is to acknowledge, understand and act when appropriate - to act by sourcing, lobbying, and relocating value chain activities internationally.

0101	Wilbur Chung **Meets October 25, 2010 - December 9, 2010** MW 10:30am - 12:20pm	Seats (Total: 50) VMH 1511
0201	Wilbur Chung **Meets October 25, 2010 - December 9, 2010** MW 1:00pm - 2:50pm	Seats (Total: 50) VMH 1511

BUSI681 **Managerial Economics and Public Policy**

BUSI681 *(PermReq)* **Managerial Economics and Public Policy; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 681 or BUSI 681. Formerly BMGT681. Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rachelle Sampson **Meets August 25, 2010 - October 13, 2010** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505
0201	Rachelle Sampson **Meets August 25, 2010 - October 13, 2010** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
0301	Rachelle Sampson **Meets August 25, 2010 - October 13, 2010** MW 3:10pm - 5:00pm	Seats (Total: 0) VMH 1505
BA01	Charles Olson **Meets October 21, 2010 - December 9, 2010** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 104
BA04	Robert Windle **Meets August 25, 2010 - October 6, 2010** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 8/25, 8/28, 9/8, 9/11, 9/22, 9/25, Final 10/6.*	Seats (Total: 0) BA 101 BA 101
DC01	David Riker **Meets October 25, 2010 - December 9, 2010** M 6:25pm - 10:00pm	Seats (Total: 0) DC C1

DC02	Philip Young **Meets October 26, 2010 - December 9, 2010** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
GS01	Charles Olson **Meets October 27, 2010 - December 9, 2010** W 6:25pm - 10:00pm	Seats (Total: 0) BLD2 3032
GS04	Jahangir Boroumand **Meets August 24, 2010 - October 5, 2010** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 8/24, 8/28, 9/7, 9/11, 9/21, 9/25, Final 10/5.*	Seats (Total: 0) BLD3 3202 BLD3 3202

BUSI690 **Strategic Management**

BUSI690 *(PermReq)* **Strategic Management; (2 credits)** Grade Method: REG. *Prerequisites: BMGT 620, BMGT 640, BMGT 650, BMGT 681 and BMGT 683. For BMGT majors only. Credit will be granted for only one of the following: BMGT 690 or BUSI 690. Formerly BMGT690.* Integrative strategic management focusing on strategy formulation and implementation in domestic and global settings. Industry and competitor analysis, industry and firm value chain, leadership, goal setting, organizational structure and culture. Case study approach to top management and organizational problems. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Rafael Corredoira **Meets October 27, 2010 - December 9, 2010** W 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Rafael Corredoira **Meets October 25, 2010 - December 9, 2010** M 6:25pm - 10:00pm	Seats (Total: 0) DC C3

DC02	Rafael Corredoira **Meets October 26, 2010 - December 9, 2010** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Paulo Prochno **Meets October 16, 2010 - December 18, 2010** Sa 1:15pm - 6:15pm *Meets 10/16, 10/30, 11/6, 11/20, 12/4 Final 12/18.*	Seats (Total: 0) DC C3
GS01	Paulo Prochno **Meets October 21, 2010 - December 9, 2010** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD3 3241

BUSI698D **MBA Consulting Project; New Market Growth Fund**
Contact department for information to register for this course.

BUSI758G **Special Topics in Business; Communications**

BUSI758G *(PermReq)* **Special Topics in Business: Communications; (2 credits)** Grade Method: REG.

GS06	Julie Gowin **Meets November 20, 2010 - December 18, 2010** Sa 8:30am - 5:00pm *Meets 11/20, 12/4, 12/11, 12/18.*	Seats (Total: 0) BLD2 3032

BUSI758T **Special Topics in Business; Technology Law**

BUSI758T Special Topics in Business: Technology Law; (1 credit) Grade Method: REG.
Click here for more information.

0101	Michael Oblon Tu 6:00pm - 8:00pm	Seats (Total: 35) CSI 2120

BUSI758V **Special Topics in Business; Ethics**

BUSI758V *(PermReq)* **Special Topics in Business: Ethics; (3 credits)** Grade Method: REG.

GS06	James Lager	Seats (Total: 0)
	Meets August 28, 2010 - November 13, 2010	
	Sa 1:15pm - 5:00pm	BLD3 4202
	Meets 8/28, 9/11, 9/25, 10/2, 10/9, 10/16, 10/23, 10/30, 11/6, 11/13.	

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT 794 or BUSI 761. Formerly BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Peter Morici	Seats (Total: 40)
	Meets September 25, 2010 - October 24, 2010	
	SaSu 8:30am - 6:30pm	BA 103
	Meets Saturdays and Sundays 9/25, 9/26, 10/23, 10/24.	

BUSI764 **Business Law for Managers**

BUSI764 Business Law for Managers; (2 credits) Grade Method: REG.
For majors only or permission of department. Credit will be granted for only one of the following: BMGT793 or BUSI764. Formerly BMGT793. Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

0101	William McClenahan **Meets October 25, 2010 - December 9, 2010** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1520
GS01	William McClenahan **Meets August 25, 2010 - October 13, 2010** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 25, 2010 at the usual time and location.*	Seats (Total: 35) BLD3 4202

BUSI771 **New Venture Financing**

BUSI771 New Venture Financing; (3 credits) Grade Method: REG.
Prerequisite: BUSI 640 or permission of department. Credit will be granted for only one of the following: BMGT 740 or BUSI 771. Formerly BMGT740. Development of skills for financing new ventures (both small and potentially large). Exploration of various funding sources. Criteria used in evaluation and decision process, including commercial banks, venture capital companies, small business investment companies, underwriters, private placement-financial consultants, mortgage bankers, and small business innovative research grants (U.S. Government). Topics will include: methods of financing, techniques for valuing new businesses, financial structure, and evaluation methods used by investors and lenders.

DC06	Jonathan Aberman **Meets August 28, 2010 - December 18, 2010** Sa 8:15am - 1:00pm *Meets 8/28, 9/11, 9/25, 10/9, 10/23, 11/6, 11/20, 12/4, Final 12/18.*	Seats (Total: 40) DC C5

GS01	J Baum **Meets August 26, 2010 - December 9, 2010** Th 6:30pm - 9:10pm	Seats (Total: 40) BLD2 3032

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG.
For majors only or permission of department. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

DC06	Barnet Corwin **Meets August 28, 2010 - October 16, 2010** Sa 8:40am - 12:50pm *Meets 8/28, 9/4, 9/11, 9/25, 10/9, 10/16.*	Seats (Total: 35) DC C4

BUSI788C **Introduction to Global Business Experience; Doing Business in China: The Special Administrative Regions of Hong Kong and Macau**

BUSI788C Introduction to Global Business Experience: Doing Business in China: Maintaining Culture through Rapid Growth; (1 credit) Grade Method: REG. By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798C). Click here for more information.

BA01	Gurdip Bakshi Contact instructor or department for details.	Seats (Total: 35)

BUSI788G **Introduction to Global Business Experience; Doing Business in India: Competitive Advantage through an India Strategy**

BUSI788G Introduction to Global Business Experience: Doing Business in India: Competitive Advantage through an India Strategy; (1 credit) Grade Method: REG. By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798G). Click here for more information.

BA01	Sunil Mithas	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788I **Introduction to Global Business Experience; Doing Business in Israel: Examining the Start-Up Nation**

BUSI788I Introduction to Global Business Experience: Doing Business in Israel; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798I).

BA01	Brent Goldfarb	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788J **Introduction to Global Business Experience; Doing Business in South Africa: Sports Marketing and the World Cup**

BUSI788J Introduction to Global Business Experience: Doing Business in South Africa; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798J).

BA01	Henry Boyd	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788L **Introduction to Global Business Experience; Doing Business in Malaysia: Islamic Finance**

BUSI788L Introduction to Global Business Experience: Doing Business in Malaysia: Islamic Finance; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798L).

BA01	Hassan Ibrahim	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Fall 2010

CBMG688A **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688A Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 20)
	Tu 12:00pm - 3:00pm	MCB 2119
	Contact instructor or department for details.	

CBMG688D **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology I - Structure and Function**

CBMG688D Special Topics in Cell Biology and Molecular Genetics: Genetics: Cell Biology I - Structure and Function; (2 credits) Grade Method: REG/AUD.

0101	Wenxia Song	Seats (Total: 30)
	Meets October 18, 2010 - December 10, 2010	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688J **Special Topics in Cell Biology and Molecular Genetics; Genetics: Immunology and Host Defense**

CBMG688J Special Topics in Cell Biology and Molecular Genetics: Genetics: Immunology and Host Defense; (2 credits) Grade Method: REG/AUD.

0101	David Mosser, Kenneth Frauwirth	Seats (Total: 20)
	Meets August 30, 2010 - October 17, 2010	
	MW 4:00pm - 6:00pm	MCB 2119

CBMG688K **Special Topics in Cell Biology and Molecular Genetics; Genetics: Molecular Virology**

CBMG688K Special Topics in Cell Biology and Molecular Genetics: Genetics: Molecular Virology; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano **Meets October 18, 2010 - December 10, 2010** MW 4:00pm - 6:00pm	Seats (Total: 20) HJP 1216

CBMG688M **Special Topics in Cell Biology and Molecular Genetics; Microbial Genetics**

CBMG688M Special Topics in Cell Biology and Molecular Genetics: Microbial Genetics; (2 credits) Grade Method: REG/AUD.

0101	Daniel Stein, Vincent Lee, Kevin McIver, Richard Stewart **Meets October 18, 2010 - December 10, 2010** MW 8:00am - 10:00am	Seats (Total: 20) MCB 2119

CBMG688P **Special Topics in Cell Biology and Molecular Genetics; Programming for Biology**

CBMG688P Special Topics in Cell Biology and Molecular Genetics: Programming for Biology; (2 credits) Grade Method: REG/AUD.

0101	Stephen Mount, Najib El-Sayed **Meets October 18, 2010 - December 10, 2010** MW 2:00pm - 3:50pm	Seats (Total: 12) MCB 2119

CBMG688V **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688V Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Brenda Fredericksen F 3:00pm - 5:00pm	Seats (Total: 20) MCB 1207

CBMG688W **Special Topics in Cell Biology and Molecular Genetics; Principles of Microscopy.**

CBMG688W Special Topics in Cell Biology and Molecular Genetics: Principles of Microscopy.; (2 credits) Grade Method: REG/AUD.

0101	Stephen Wolniak MW 8:00am - 9:00am	Seats (Total: 10) HJP 1216

CBMG688Y **Special Topics in Cell Biology and Molecular Genetics; Bioinformatics and Genomics**

CBMG688Y Special Topics in Cell Biology and Molecular Genetics: Bioinformatics and Genomics; (2 credits) Grade Method: REG/AUD.

0101	Michael Cummings, Najib El-Sayed **Meets August 30, 2010 - October 17, 2010** TuTh 9:00am - 10:50am	Seats (Total: 30) CSI 3118

CBMG688Z **Special Topics in Cell Biology and Molecular Genetics; Genetics: Teaching Science**

CBMG688Z Special Topics in Cell Biology and Molecular Genetics: Genetics: Teaching Science; (1 credit) Grade Method: REG/AUD.

0101	Patricia Shields Tu 6:00pm - 8:00pm	Seats (Total: 30) BPS 1208

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount Th 2:00pm - 3:00pm	Seats (Total: 20) BSB 3118

CBMG699K **Special Problems in Cell Biology and Molecular Genetics; Biological Sciences Teaching and Learning in Higher Education**

CBMG699K *(PermReq)* **Special Problems in Cell Biology and Molecular Genetics: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG.
Also offered as BIOL608K and ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 7)
	W 12:00pm - 1:30pm	BPS 1208

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	F 3:30pm - 6:00pm	BRB 3101

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser	Seats (Total: 20)
	F 9:00am - 10:30am	MCB 2119

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology Journal Club**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology Journal Club; (1 credit) Grade Method: REG/AUD.

0101	June Kwak	Seats (Total: 20)
	M 12:00pm - 1:00pm	HJP 1216

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman F 9:30am - 10:30am	Seats (Total: 20) MCB 1121

CBMG789 **Seminar in Cell Biology and Molecular Genetics**

CBMG789 Seminar in Cell Biology and Molecular Genetics; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano F 12:00pm - 2:00pm	Seats (Total: 20) HJP 2242

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Fall 2010

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	 Discussion
0102	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	 Discussion
0103	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	 Discussion
0104	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	 Discussion
0105	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE KEY 0121	 Discussion
0106	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE COL 0113	 Discussion
0107	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE HJP 1125	 Discussion

0108	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE TYD 0102	Discussion
0109	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE HBK 0123	Discussion
0110	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE TYD 1114	Discussion
0111	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE JMZ 0103	Discussion
0112	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ONLINE JMZ 2123	Discussion
0113	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE TYD 0111	Discussion
0114	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE KEY 0121	Discussion
0201	Arnett Gaston W 1:00pm - 1:50pm Contact instructor or department for details. M 10:00am - 10:50am	Seats (Total: 25) TYD 0117 LEF 1201	Discussion

0202	Arnett Gaston W 1:00pm - 1:50pm Contact instructor or department for details. W 12:00pm - 12:50pm	Seats (Total: 25) TYD 0117 TYD 1108	Discussion
0203	Arnett Gaston W 1:00pm - 1:50pm Contact instructor or department for details. M 9:00am - 9:50am	Seats (Total: 25) TYD 0117 HBK 0123	Discussion
0204	Arnett Gaston W 1:00pm - 1:50pm Contact instructor or department for details. M 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 TYD 2102	Discussion

CCJS100H **Introduction to Criminal Justice**

CCJS100H *(PermReq)* **Introduction to Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. For general honors students only.

0101	Arnett Gaston M 4:00pm - 4:50pm Contact instructor or department for details. M 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 TYD 2110	Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CRIM220. Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Kiminori Nakamura MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1201	Discussion
0102	Kiminori Nakamura MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 30) SKN 0200 LEF 1201	Discussion

0103	Kiminori Nakamura MW 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0104	Kiminori Nakamura MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 TYD 1114	Discussion
0105	Kiminori Nakamura MW 10:00am - 10:50am Tu 3:00pm - 3:50pm	Seats (Total: 30) SKN 0200 JMZ 0125	Discussion
0106	Kiminori Nakamura MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0107	Kiminori Nakamura MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0108	Kiminori Nakamura MW 10:00am - 10:50am Th 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 PHY 1402	Discussion
0109	Kiminori Nakamura MW 10:00am - 10:50am Th 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 ARM 0105	Discussion
0110	Kiminori Nakamura MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0201	Thomas Loughran TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0202	Thomas Loughran TuTh 12:30pm - 1:20pm M 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 TYD 2110	Discussion

0203	Thomas Loughran TuTh 12:30pm - 1:20pm Tu 10:00am - 10:50am	Seats (Total: 30) SKN 0200 COL 0102	Discussion
0204	Thomas Loughran TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0205	Thomas Loughran TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0206	Thomas Loughran TuTh 12:30pm - 1:20pm W 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 TYD 0101	Discussion
0207	Thomas Loughran TuTh 12:30pm - 1:20pm Th 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0208	Thomas Loughran TuTh 12:30pm - 1:20pm Th 10:00am - 10:50am	Seats (Total: 30) SKN 0200 JMZ 0122	Discussion
0209	Thomas Loughran TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 WDS 0104	Discussion
0210	Thomas Loughran TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 TYD 2110	Discussion
FC01	Chong Na MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) KEY 0125	
FC02	Sarah Boonstoppel MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) TLF 1103	

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105, and MATH111 with a grade of C or higher. Restricted to CCJS majors. All others require permission. Permission must be obtained from the CCJS Advising Office. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, and SOCY201. Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0201	Raymond Paternoster TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 LEF 1220	Discussion
0202	Raymond Paternoster TuTh 11:00am - 12:15pm Th 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 LEF 1220	Discussion
0203	Raymond Paternoster TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) SKN 0200 TYD 2109	Discussion
0204	Raymond Paternoster TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 TYD 2109	Discussion
0205	Raymond Paternoster TuTh 11:00am - 12:15pm Th 10:00am - 10:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0206	Raymond Paternoster TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) SKN 0200 LEF 1201	Discussion

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Christine Roberts White MWF 11:00am - 11:50am	Seats (Total: 180) JMZ 0220
0201	Russell Hamill Tu 4:00pm - 6:45pm	Seats (Total: 175) LEF 2205

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem TuTh 8:00am - 9:15am	Seats (Total: 200) LEF 2205

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG.
Prerequisites: CCJS100 and CCJS105; and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT230. Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 2111
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) LEF 2166
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100

0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100
SG91	Stephanie Gerstenblith MW 11:00am - 12:15pm *This section meets at Universities at Shady Grove.*	Seats (Total: 40) BLD3 4211

CCJS310 **Criminal Investigations**

CCJS310 Criminal Investigations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100 and CCJS230.* An introduction to modern methods used in detection, investigation, and solution of crime. Students will be taught basic and advanced investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques. This section meets at Universities at Shady Grove.

SG91	Mark Janney MW 9:30am - 10:45am *Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.*	Seats (Total: 30) BLD2 3012
SG92	Robin Shusko TuTh 11:00am - 12:15pm *This section meets at the Universities at Shady Grove.*	Seats (Total: 40) BLD3 3242

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Wednesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary. There are lab fees associated with this course.

0101	Thomas Mauriello MW 6:00pm - 7:15pm MW 6:00pm - 7:15pm	Seats (Total: 45) MMH 1400 MMH 2401	 Lab
0201	Thomas Mauriello MW 7:30pm - 8:45pm MW 7:30pm - 8:45pm	Seats (Total: 45) MMH 1400 MMH 2401	 Lab

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0201	Matthew Fleming M 5:00pm - 7:45pm	Seats (Total: 50) KEY 0102

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Alvin Zumbrun TuTh 11:00am - 12:15pm	Seats (Total: 75) SYM 0200
0201	David Salem Th 6:00pm - 8:45pm	Seats (Total: 75) LEF 2166

CCJS340 **Concepts of Law Enforcement Administration**

CCJS340 *(PermReq)* **Concepts of Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 or equivalent. An introduction to concepts of organization and management as these relate to law enforcement. Principles of structure, process, policy and procedure, communication and authority, division of work and organizational controls. Human element in the organization. Informal interaction and bureaucracy.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 100) TYD 0117
0201	John Foust Tu 6:00pm - 8:45pm	Seats (Total: 180) JMZ 0220
SG91	Nicole Romeiser TuTh 12:30pm - 1:45pm *This section meets at Universities at Shady Grove.*	Seats (Total: 40) BLD3 4215

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 220) LEF 2205
0201	Jay Horner TuTh 11:00am - 12:15pm	Seats (Total: 141) CSI 1115
SG91	Christine Roberts White TuTh 9:30am - 10:45am *This section meets at Universities at Shady Grove.*	Seats (Total: 40) BLD3 3226

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100.* An analysis of the role of criminal justice in the control of drug use and abuse.

0201	Arnett Gaston MW 11:00am - 12:15pm	Seats (Total: 100) TYD 0117
0301	Christine Roberts White MWF 12:00pm - 12:50pm	Seats (Total: 100) PLS 1140

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only, and permission of department.

Contact department for information to register for this course.

CCJS360 **Victimology**

CCJS360 *(PermReq)* **Victimology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS105.* Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

0101	Cortney Fisher TuTh 9:30am - 10:45am *Department permission required.*	Seats (Total: 150) MMH 1400

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CCJS388H **Independent Reading Course in Criminology and Criminal Justice**

CCJS388H *(PermReq)* **Independent Reading Course in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Permission only. For department Honors Students only.

0101	Jean McGloin	Seats (Total: 20)
	W 2:00pm - 4:45pm	ASY 3217

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
For Department Honors Students Only.

0101	Jean McGloin	Seats (Total: 20)
	M 1:00pm - 3:45pm	LEF 2207

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS399C **Independent Study in Criminology and Criminal Justice; Leading Constitutional Cases Dealing With the Field of Corrections**

CCJS399C *(PermReq)* **Independent Study in Criminology and Criminal Justice: Leading Constitutional Cases Dealing With the Field of Corrections; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite:CCJS 100 or CCJS 105. Not open to students who have completed CCJS288C "Contemporary Case Law"

0101	Alvin Zumbrun	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	TYD 1108

CCJS432 **Law of Corrections**

CCJS432 *(PermReq)* **Law of Corrections; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100, CCJS105, CCJS230, and CCJS300. A review of the law of criminal corrections from sentencing to final release or release on parole. Probation, punishments, special treatments for special offenders, parole and pardon, and the prisoner's civil rights are also examined.

0101	Alvin Zumbrun	Seats (Total: 75)
	TuTh 12:30pm - 1:45pm	SYM 0200

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Methods and programs in prevention of crime and delinquency.

0101	Denise Gottfredson	Seats (Total: 96)
	TuTh 3:30pm - 4:45pm	SQH 1120

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Processes and methods used to modify criminal and delinquent behavior.

0101	Arnett Gaston	Seats (Total: 100)
	MW 2:00pm - 3:15pm	TYD 0117

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105; and CCJS300; and CCJS350. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	David Maimon	Seats (Total: 80)
	TuTh 11:00am - 12:15pm	TYD 2106

CCJS461 **Psychology of Criminal Behavior**
Contact department for information to register for this course.

CCJS498B **Selected Topics in Criminology and Criminal Justice; Controversies and New Directions in Criminal Justice**

CCJS498B *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Controversies and New Directions in Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS 100, CCJS 105, CCJS 200 and CCJS 300.

0101	Stephen McGuinn	Seats (Total: 30)
	Th 4:00pm - 6:45pm	KEY 0126

CCJS498M **Selected Topics in Criminology and Criminal Justice; Crime Mapping**

CCJS498M Selected Topics in Criminology and Criminal Justice: Crime Mapping; (3 credits) Grade Method: REG/P-F/AUD.

SG91	David Mazeika	Seats (Total: 30)
	W 3:30pm - 6:15pm	BLD3 2211
	This section meets at the Universities at Shady Grove in Rockville.	

CCJS498O **Selected Topics in Criminology and Criminal Justice; Overview of Federal Law Enforcement Agencies**

CCJS498O *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Overview of Federal Law Enforcement Agencies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS 100 and CCJS 340

0101	Thomas Bonnar	Seats (Total: 60)
	M 6:00pm - 8:45pm	LEF 2166

CCJS498Z **Selected Topics in Criminology and Criminal Justice; Security Administration**

CCJS498Z *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Formerly: CCJS498S. Credit will be granted for CCJS498S or CCJS498Z.
Prerequisite: CCJS 100 and CCJS 340

0101	Barry Smith	Seats (Total: 50)
	W 6:00pm - 8:45pm	LEF 2205

CCJS600 **Criminal Justice**
Contact department for information to register for this course.

CCJS602 **Courts and Sentencing**

CCJS602 Courts and Sentencing; (3 credits) Grade Method: REG.
Research and theory on prosecution, plea-bargaining, sentencing principles and guidelines, and sentencing policies in practice. Mandatory minimum sentencing, "three strikes" laws, race, gender and class disparities, general and specific deterrent effects of sentencing, restitution and restorative justice, diversion and sentencing to treatment.

0101	Brian Johnson	Seats (Total: 20)
	W 4:00pm - 6:45pm	KEY 1117

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS605 **Program Evaluation for Criminal Justice**
Contact department for information to register for this course.

CCJS611 **Statistical Tools for Criminal Justice**
Contact department for information to register for this course.

CCJS620 **Fundamentals of Criminological Research**

CCJS620 Fundamentals of Criminological Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: CCJS498D or CCJS620. Formerly CCJS498D. Designed to help criminology students understand and apply three important components of statistics: decriptive statistics (including probability theory), fundamentals of statistical inference, and regression analysis. Course assumes familiarity with basic descriptive statistics. The emphasis of the classes on descriptive statistics is the calculation and interpretation of summary statistical measures for describing raw data. Covers the basic rules of probability and different probabilistic processes that could describe criminal activity. The sessions on fundamentals of statistical inferences are designed to provide background for executing and interpreting hypothesis tests and confidence intervals. The latter portion of the course focuses on regession analysis. Uses the statistical software, Stata.

0101	Laura Dugan	Seats (Total: 35)
	Th 4:00pm - 6:45pm	TYD 1114

CCJS667 **Innovations in Policing: Programs, Policies and Research**

CCJS667 Innovations in Policing: Programs, Policies and Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: CCJS667 or CCJS699W. Formerly CCJS699W. Examine the factors that have led to recent police innovations and recent innovations in the study of policing. Critically explores the effects of such policies on crime and disorder, on research practices, as well as unintended consequences on community, police abuse and police organization. Which policies have been found to be effective? What types of practices work most effectively for what type of crime and disorder problems? Has there been sufficient research for us to come to solid conclusions regarding these questions? Does present research fit the practices of the police?

0101	Lawrence Sherman	Seats (Total: 20)
	Contact instructor or department for details.	

CCJS678J **Advanced Topics in Criminology and Criminal Justice; Jurisprudence**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS710 **Advanced Research Methods in Criminology**

CCJS710 Advanced Research Methods in Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: approved doctoral level statistics course. Formerly CRIM710. Application of advanced research methods and data analysis strategies to criminological and criminal justice problems.

0101	Thomas Loughran	Seats (Total: 17)
	Th 4:00pm - 6:45pm	LEF 1201

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM Chemistry Fall 2010

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG.

CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

1121	Bryan Eichhorn MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 39) CHM 1407 CHM 2201	 Discussion
1122	Bryan Eichhorn MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 2201	 Discussion
1125	Bryan Eichhorn MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 2201	 Discussion
1141	Bryan Eichhorn MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 20) CHM 1407 CHM 2201	 Discussion
1142	Bryan Eichhorn MWF 8:00am - 8:50am Th 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 2201	 Discussion

1145	Bryan Eichhorn MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 2201	Discussion
1221	Lee Friedman MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 39) CHM 1407 CHM 0119	Discussion
1222	Lee Friedman MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 20) CHM 1407 CHM 1228	Discussion
1224	Lee Friedman MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0119	Discussion
1242	Lee Friedman MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 1228	Discussion
1245	Lee Friedman MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) CHM 1407 CHM 0119	Discussion
1247	Lee Friedman MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0119	Discussion
1325	Neil Blough MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0128	Discussion
1327	Neil Blough MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0128	Discussion
1328	Neil Blough MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 39) CHM 1407 CHM 0128	Discussion

1345	Neil Blough MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0128	 Discussion
1347	Neil Blough MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 39) CHM 1407 CHM 0128	 Discussion
1348	Neil Blough MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 39) CHM 1407 CHM 0128	 Discussion
1525	Amy Mullin MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
1527	Amy Mullin MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
1528	Amy Mullin MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 0127	 Discussion
1545	Amy Mullin MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
1547	Amy Mullin MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
1548	Amy Mullin MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 39) CHM 1407 CHM 0127	 Discussion
SEF1	Eddie Chang M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 35) CHM 1402 CHM 1402	 Discussion

SEF2	Eddie Chang M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 24) CHM 1402 CHM 1402	 Discussion

CHEM131H **Chemistry I - Fundamentals of General Chemistry**

CHEM131H Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103.

0101	Devarajan Thirumalai TuTh 9:30am - 10:45am	Seats (Total: 50) CHM 0128	

CHEM131S **Chemistry I - Fundamentals of General Chemistry**

CHEM131S Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG.
CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. Restricted to College Park Scholars - Life Sciences.

1141	Bryan Eichhorn MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 20) CHM 1407 CHM 2201	 Discussion
1247	Lee Friedman MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0119	 Discussion
1327	Neil Blough MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0128	 Discussion

1528	Amy Mullin MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 0127	 Discussion

CHEM131U **Chemistry I - Fundamentals of General Chemistry**
Contact department for information to register for this course.

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee.

1122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	 Lab
1123	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1112	 Lab
1131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	 Lab
1133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	 Lab
1141	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1106	 Lab
1142	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	 Lab
1211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1110	 Lab

1214	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab
1222	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab
1223	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	Lab
1232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1112	Lab
1240	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1106	Lab
1241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1110	Lab
1321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	Lab
1331	Maryann Jones W 4:00pm - 6:50pm	Seats (Total: 24) CHM 1112	Lab
1332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
1423	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1112	Lab

1435	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1111	Lab
1523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1110	Lab
SEF1	Maryann Jones, Elizabeth Chen W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1111	Lab
SEF2	Maryann Jones W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1106	Lab

CHEM132C **General Chemistry I Laboratory**

CHEM132C General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.

1121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1112	Lab
1212	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1111	Lab
1231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1234	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab

1411	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 24) CHM 1111	Lab
1421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab
1432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab

CHEM132S **General Chemistry I Laboratory**

CHEM132S General Chemistry I Laboratory; (1 credit) Grade Method: REG. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee. Restricted to College Park Scholars - Life Sciences.

1213	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1112	Lab
1233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab
1431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab

CHEM132U **General Chemistry I Laboratory**
Contact department for information to register for this course.

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Pre- or corequisite: MATH115. Not open to students who have completed CHEM103, CHEM113, CHEM143, or CHEM153. Credit will be granted for only one of the following: CHEM103, CHEM113, CHEM131, CHEM135, CHEM143, OR CHEM153.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Michael Montague-Smith MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
3127	Michael Montague-Smith MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
3128	Michael Montague-Smith MWF 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
3145	Michael Montague-Smith MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
3147	Michael Montague-Smith MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
3148	Michael Montague-Smith MWF 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0115	 Discussion
3225	Bonnie Dixon MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0122	 Discussion
3227	Bonnie Dixon MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0122	 Discussion

3228	Bonnie Dixon MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0122	Discussion
3245	Bonnie Dixon MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 45) CHM 1407 CHM 0122	Discussion
3247	Bonnie Dixon MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 CHM 0122	Discussion
3248	Bonnie Dixon MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 45) CHM 1407 CHM 0122	Discussion
3325	Andrei Vedernikov MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 45) BRB 1101 CHM 0119	Discussion
3327	Andrei Vedernikov MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 45) BRB 1101 CHM 0119	Discussion
3328	Andrei Vedernikov MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 45) BRB 1101 CHM 0119	Discussion
3345	Andrei Vedernikov MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 45) BRB 1101 EGR 0110	Discussion
3347	Andrei Vedernikov MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion
3348	Andrei Vedernikov MWF 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 45) BRB 1101 CHM 2201	Discussion

CHEM136 General Chemistry Laboratory for Engineers

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.
Pre- or corequisite: CHEM135. For ENGR majors only. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. There is a $40.00 lab fee for this course.

0117	Natalia White M 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab
0118	Natalia White M 4:00pm - 6:50pm	Seats (Total: 24) CHM 1110	Lab
0127	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
0137	Natalia White W 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab
0147	Natalia White Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab
0148	Natalia White Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	Lab

CHEM146 **Principles of General Chemistry**

CHEM146 Principles of General Chemistry; (3 credits) Grade Method: REG.
Prerequisite: Placement in MATH115 or higher. Corequisite: CHEM147. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM143. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM146 is the first course in a four-semester sequence for Chemistry and Biochemistry majors.

0032	Alice Mignerey MWF 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 1224	Discussion

0033	Alice Mignerey MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 1224	 Discussion
0034	Alice Mignerey MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 1224	 Discussion

CHEM147 **Principles of Chemistry Laboratory**

CHEM147 Principles of Chemistry Laboratory; (1 credit) Grade Method: REG/P-F. *Corequisite: CHEM146. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM143.* Introduction to the synthesis and characterization of inorganic substances. Must be taken concurrently with CHEM146. Students must pay a $40.00 laboratory materials fee.

0031	Maryann Jones Th 11:00am - 2:50pm	Seats (Total: 18) CHM 1106	 Lab
0032	Maryann Jones Tu 11:00am - 2:50pm	Seats (Total: 18) CHM 1106	 Lab
0035	Maryann Jones F 12:00pm - 3:50pm	Seats (Total: 18) CHM 1106	 Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisite is required of Life Science majors and recommended for all students. Not open to students who have completed CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5125	Herman Ammon MWF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 42) CHM 1407 CHE 2136	 Discussion

5127	Herman Ammon MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 1224	Discussion
5128	Herman Ammon MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 42) CHM 1407 CHM 1224	Discussion
5145	Herman Ammon MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 42) CHM 1407 CHE 2136	Discussion
5147	Herman Ammon MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 1224	Discussion
5148	Herman Ammon MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 42) CHM 1407 CHM 1224	Discussion
5215	Bonnie Dixon TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5216	Bonnie Dixon TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5217	Bonnie Dixon TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5235	Bonnie Dixon TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5236	Bonnie Dixon TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion

5237	Bonnie Dixon TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 0127	Discussion
5315	Ashton Cropp TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 42) CHM 1407 CHM 0122	Discussion
5316	Ashton Cropp TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 42) CHM 1407 CHM 0122	Discussion
5317	Ashton Cropp TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 0122	Discussion
5335	Ashton Cropp TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 42) CHM 1407 CHM 0122	Discussion
5336	Ashton Cropp TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 42) CHM 1407 CHM 0122	Discussion
5337	Ashton Cropp TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 42) CHM 1407 CHM 0122	Discussion
SEF1	Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 25) CHM 1224 CHM 0127	Discussion
SEF2	Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 25) CHM 1224 PLS 1176	Discussion

CHEM232 Organic Chemistry Laboratory I

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisites is required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Laboratory sessions will begin after the first lecture of CHEM 231. Students must pay a $40.00 laboratory materials fee.

5121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5123	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5134	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5141	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
5142	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5143	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab

5211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5212	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1360	Lab
5221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1360	Lab
5242	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1342	Lab
5321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5323	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab

5334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5341	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5342	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab
5411	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 18) CHM 1346	Lab
5421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5422	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5431	Rachel DeRose, Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5524	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
SEF1	Maryann Jones W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1346	Lab

SEF2	Maryann Jones W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1342	Lab

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed CHEM243 or CHEM247. Credit will be granted for only one of the following: CHEM241, CHEM243 or CHEM247. Formerly CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6115	Frederick Khachik TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6116	Frederick Khachik TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6117	Frederick Khachik TuTh 8:00am - 9:15am M 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6135	Frederick Khachik TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6136	Frederick Khachik TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6137	Frederick Khachik TuTh 8:00am - 9:15am W 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6215	Jeffery Davis TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion

6216	Jeffery Davis TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6217	Jeffery Davis TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 1228	Discussion
6235	Jeffery Davis TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6236	Jeffery Davis TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6237	Jeffery Davis TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 1224	Discussion
6415	Frederick Khachik TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6416	Frederick Khachik TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6417	Frederick Khachik TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6435	Frederick Khachik TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6436	Frederick Khachik TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion

6437	Frederick Khachik TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
SEF1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 18) PLS 1140 PLS 1184	Discussion
SEF2	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 19) PLS 1140 PLS 1180	Discussion

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors or recommended for all students. Corequisite: CHEM241. Not open to students who have completed CHEM243 or CHEM247. Formerly CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 laboratory materials fee.

6121	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6122	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6123	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6131	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6132	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6133	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab

6141	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6142	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
6211	Daniel Steffek Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6221	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6222	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6223	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6231	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6232	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6233	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6241	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6242	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1302	Lab
6311	Daniel Steffek W 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
6321	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6322	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab

6323	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6331	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6332	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6333	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6334	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6411	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
6421	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6423	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6424	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6431	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6432	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6433	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6521	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6522	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab

6531	Daniel Steffek F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	 Lab
SEF1	Daniel Steffek, Mei-Jue Shih W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1308	 Lab
SEF2	Daniel Steffek W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1326	 Lab

CHEM247 **Principles of Organic Chemistry II**

CHEM247 Principles of Organic Chemistry II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in CHEM237 or permission of department. The "C" or better in the prerequisite is required for Life Science majors. For CHEM, BCHM, ENCH majors, and honors students only. Credit will be granted for only one of the following: CHEM243 or CHEM247. A continuation of CHEM237 with emphasis on molecular structure, substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules. Students must pay a $40.00 laboratory materials fee.

6101	Herman Sintim MWF 9:00am - 9:50am Th 11:00am - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 19) CHM 1224 CHM 1326 CHM 0124	 Lab Discussion

CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites for Life Sciences majors and recommended for all students. Corequisite: CHEM272. Not open to students who have completed CHEM113. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2222	Jason Kahn MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 26) HJP 0226 CHM 0127	 Discussion

2225	Jason Kahn MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 26) HJP 0226 MTH 0409	Discussion
2227	Jason Kahn MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 26) HJP 0226 CHM 1228	Discussion
2242	Jason Kahn MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 26) HJP 0226 CHM 0127	Discussion
2245	Jason Kahn MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 26) HJP 0226 CHM 0124	Discussion
2247	Jason Kahn MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 26) HJP 0226 CHM 1228	Discussion
2324	Jason Kahn MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 26) CHM 1407 CHM 0127	Discussion
2325	Jason Kahn MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 26) CHM 1407 BPS 1228	Discussion
2327	Jason Kahn MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 26) CHM 1407 CHM 2201	Discussion
2344	Jason Kahn MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 26) CHM 1407 CHM 0127	Discussion
2345	Jason Kahn MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 26) CHM 1407 MTH 0201	Discussion

2347	Jason Kahn MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 26) CHM 1407 CHE 2145	 Discussion
SEF1	Pedro Bueno M 6:00pm - 7:50pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1228 CHM 1228	 Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites is required for Life Sciences majors and recommended for all students. Corequisite: CHEM271. Credit will be granted for only one of the following: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

8132	Daniel Steffek F 11:00am - 11:50am M 3:00pm - 5:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8141	Daniel Steffek F 11:00am - 11:50am M 6:00pm - 8:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8221	Daniel Steffek F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8222	Daniel Steffek F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) HJP 0226 CHM 1112	 Lab
8311	Daniel Steffek F 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8411	Daniel Steffek F 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 24) HJP 0226 CHM 1128	 Lab

8432	Daniel Steffek F 11:00am - 11:50am Th 3:30pm - 6:20pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8531	Daniel Steffek F 11:00am - 11:50am F 3:00pm - 5:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
9122	Daniel Steffek F 3:00pm - 3:50pm M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9141	Daniel Steffek F 3:00pm - 3:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
9211	Daniel Steffek F 3:00pm - 3:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9233	Daniel Steffek F 3:00pm - 3:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9241	Daniel Steffek F 3:00pm - 3:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9242	Daniel Steffek F 3:00pm - 3:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
9421	Daniel Steffek F 3:00pm - 3:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9521	Daniel Steffek F 3:00pm - 3:50pm F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

SEF1	Pedro Bueno	Seats (Total: 20)	
	M 8:00pm - 8:50pm W 7:30pm - 10:30pm	CHM 1228 CHM 1128	Lab

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisite is required. Corequisite: CHEM276. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM153, CHEM227, CHEM272 or CHEM277. Formerly CHEM153. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

0232	Lee Friedman	Seats (Total: 24)	
	M 12:00pm - 12:50pm WF 1:00pm - 3:50pm	CHM 0124 CHM 1112	Lab

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research; Chemistry Instruction**

CHEM399X Introduction to Chemical Research: Chemistry Instruction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 8)	
	Contact instructor or department for details.		

CHEM403 **Radiochemistry**

CHEM403 Radiochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: one year of college chemistry and one year of college physics. Radioactive decay; introduction to properties of atomic nuclei; nuclear processes in cosmology; chemical, biomedical and environmental applications of radioactivity; nuclear processes as chemical tools; interaction of radiation with matter.

0101	William Walters	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	CHM 1224	

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM153 or CHEM227} or {CHEM271 and CHEM272} or {CHEM276 and CHEM277}. Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 laboratory materials fee.

0101	Cheng Lee, Natalia White	Seats (Total: 10)	
	MW 10:00am - 10:50am	CHM 0128	
	MW 12:00pm - 2:50pm	CHM 3228	Lab

0102	Natalia White, Cheng Lee MW 10:00am - 10:50am TuTh 12:30pm - 3:20pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0104	Cheng Lee, Natalia White MW 10:00am - 10:50am TuTh 9:30am - 11:50am	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0105	Natalia White, Cheng Lee MW 10:00am - 10:50am MW 6:00pm - 8:50pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0109	Cheng Lee, Natalia White MW 10:00am - 10:50am TuTh 6:30pm - 9:20pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab

CHEM441 **Advanced Organic Chemistry**

CHEM441 Advanced Organic Chemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM481. Also offered as CHEM641.* An advanced study of the compounds of carbon, with special emphasis on molecular orbital theory and organic reaction mechanisms.

0101	Philip DeShong MWF 8:00am - 8:50am	Seats (Total: 50) CHM 1402

CHEM460 **Structure Determination Using Spectroscopic Methods**

CHEM460 Structure Determination Using Spectroscopic Methods; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM243 or CHEM247} or {CHEM241 or CHEM242}. Formerly CHEM660. The use of infrared, ultraviolet-visible, proton and carbon-13 nuclear magnetic resonance and mass spectroscopy for structure determination in organic chemistry.

0101	Daniel Falvey TuTh 12:30pm - 1:45pm	Seats (Total: 40) CHM 1228

CHEM474 **Environmental Chemistry**

CHEM474 Environmental Chemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM481 or equivalent.* The sources of various elements and chemical reactions between them in the atmosphere and hydrosphere are treated. Causes and biological effects of air and water pollution by certain elements are discussed.

0101	John Ondov	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	CHM 1224

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C or better in CHEM113, CHEM135, or CHEM153, or (CHEM271 and CHEM272), or (CHEM276 and CHEM277); and MATH141 and PHYS142. The "C" or better in prerequisites is required for Life Science majors.* A course primarily for chemists and chemical engineers.

0101	YuHuang Wang	Seats (Total: 106)
	MWF 9:00am - 9:50am	CHE 2110

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A Grade of C or better in CHEM481. The "C" or better is required for Life Science majors.* A course primarily for chemists and chemical engineers.

0101	John Fourkas	Seats (Total: 60)
	MWF 9:00am - 9:50am	KEB 1110

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Students must pay a $40.00 laboratory materials fee.

0114	Elizabeth McGaw	Seats (Total: 18)	
	M 2:00pm - 5:00pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion
0124	Elizabeth McGaw	Seats (Total: 18)	
	Tu 2:00pm - 5:00pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion
0134	Elizabeth McGaw	Seats (Total: 18)	
	W 2:00pm - 5:00pm	CHM 3221	Lab
	W 1:00pm - 1:50pm	CHM 1228	Discussion
0144	Elizabeth McGaw	Seats (Total: 18)	
	Th 2:00pm - 5:00pm	CHM 3221	Lab
	W 1:00pm - 1:50pm	CHM 1228	Discussion
0154	Elizabeth McGaw	Seats (Total: 18)	
	F 2:00pm - 5:00pm	CHM 3221	Lab
	Th 12:30pm - 1:20pm	CHM 1224	Discussion
0164	Elizabeth McGaw	Seats (Total: 18)	
	W 6:00pm - 9:00pm	CHM 3221	Lab
	Contact instructor or department for details.		

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483. Corequisite: CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Students must pay a $40.00 laboratory materials fee.

0124	Elizabeth McGaw	Seats (Total: 12)	
	Tu 2:30pm - 5:30pm	CHM 3217	Lab
	Tu 1:30pm - 2:20pm	CHM 3219	Discussion
0134	Elizabeth McGaw	Seats (Total: 12)	
	W 3:00pm - 6:00pm	Location: TBA	Lab
	Tu 1:30pm - 2:20pm	CHM 3219	Discussion

CHEM491 **Advanced Organic Chemistry Laboratory**
Contact department for information to register for this course.

CHEM608K **Selected Topics in Inorganic Chemistry; Chemistry Teaching and Learning in Higher Education**

CHEM608K *(PermReq)* **Selected Topics in Inorganic Chemistry: Chemistry Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG/AUD.

0101	Gili Ad-Marbach	Seats (Total: 5)
	W 12:00pm - 1:30pm	BPS 1208

CHEM611 **Professional Skills for New Graduate Students**

CHEM611 Professional Skills for New Graduate Students; (1 credit) Grade Method: REG/AUD.
Restricted to New Chemistry and Biochemistry graduate students. Covers a wide range of topics in professional development for new graduate students.

0101	Lyle Isaacs	Seats (Total: 35)
	F 2:00pm - 2:50pm	CHM 1228

CHEM624 **Electrical Methods of Quantitative Analysis**

CHEM624 Electrical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 421 and CHEM 482 or equivalent. The use of conductivity, potentiometry, polarography, voltammetry, amperometry, coulometry, and chronopotentiometry in quantitative analysis.

0101	Sangbok Lee	Seats (Total: 30)
	TuTh 8:00am - 9:15am	CHM 0124

CHEM626 **Metrology for Chemistry and Biochemistry**

CHEM626 Metrology for Chemistry and Biochemistry; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	David Duewer, Marc Salit	Seats (Total: 40)
	W 5:00pm - 8:00pm	CHM 1224

CHEM640 **Problems in Organic Reaction Mechanisms**

CHEM640 Problems in Organic Reaction Mechanisms; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

0101	Daniel Falvey F 12:00pm - 12:50pm	Seats (Total: 20) CHM 1228

CHEM641 **Organic Reaction Mechanisms**

CHEM641 Organic Reaction Mechanisms; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM441.

0101	Philip DeShong MWF 8:00am - 8:50am	Seats (Total: 50) CHM 1402

CHEM684 **Chemical Thermodynamics**

CHEM684 Chemical Thermodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 482 or equivalent.

0101	Christopher Jarzynski TuTh 11:00am - 12:15pm	Seats (Total: 22) CHM 1228

CHEM690 **Quantum Chemistry I**

CHEM690 Quantum Chemistry I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 485.

0101	John Fourkas MWF 10:00am - 10:50am	Seats (Total: 20) CHM 1224

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Alice Mignerey	Seats (Total: 15)
	F 3:00pm - 5:00pm	CHM 1224

CHEM889C **Seminar; Inorganic**

CHEM889C Seminar: Inorganic; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	F 1:00pm - 1:50pm	CHM 1228

CHEM889D **Seminar; Organic**

CHEM889D Seminar: Organic; (1 credit) Grade Method: REG/AUD.

0101	Jeffery Davis	Seats (Total: 20)
	Th 11:00am - 12:30pm	CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD.

0101	YuHuang Wang	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD.

0101	YuHuang Wang	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHEM889G **Seminar; Physical Organic**

CHEM889G Seminar: Physical Organic; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889M **Seminar; Materials Chemistry**

CHEM889M Seminar: Materials Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889P **Seminar; Structure and Reactivity of Biopolymers**

CHEM889P Seminar: Structure and Reactivity of Biopolymers; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Fall 2010

CHIN101 **Intensive Elementary Chinese I**

Non-Majors: please refer to the Foreign Language Placement Section of the Schedule of Classes.

CHIN101 *(PermReq)* **Intensive Elementary Chinese I; (6 credits)** Grade Method: REG.

Non-majors admitted only after a placement interview. Introduction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns.

0101	Yuli Wang, Jungjung Lee-Heitz MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3205 JMZ 3122	 Discussion
0201	Mei Kong, Hsiu-Fen Chien MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1117 JMZ 1123	 Discussion
0301	Jungjung Lee-Heitz, Hsiu-Fen Chien MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3120 JMZ 1226	 Discussion
0401	Mei Kong, Hsiu-Fen Chien MWF 11:00am - 11:50am TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1117 JMZ 1226	 Discussion

CHIN105 **Elementary Chinese - Accelerated Track**

CHIN105 *(PermReq)* **Elementary Chinese - Accelerated Track; (3 credits)** Grade Method: REG.

Prerequisite: permission of department. Not open to students who have completed CHIN101, CHIN102, or CHIN103. Accelerated instruction in Mandarin Chinese at the elementary level for students with prior Chinese language background, either through home use or formal instruction.

0101	Jungjung Lee-Heitz MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 15) JMZ 3122 JMZ 3203

CHIN201 **Intermediate Spoken Chinese I**

CHIN201 *(PermReq)* **Intermediate Spoken Chinese I; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN102 or equivalent and permission of department. Non-majors admitted only after a placement interview. Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

0101	Jungjung Lee-Heitz MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1117
0201	Mei Kong MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2122
0301	Mei Kong MWF 3:00pm - 3:50pm	Seats (Total: 15) JMZ 3205

CHIN202 **Intermediate Written Chinese I**

CHIN202 *(PermReq)* **Intermediate Written Chinese I; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN103 or equivalent and permission of department. Non-majors admitted only after a placement interview. Reading and writing skills with emphasis on grammar and Chinese characters.

0101	Jianxin Cui TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3120
0201	Jianxin Cui TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1226
0301	Hsiu-Fen Chien Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 15) JMZ 0118 JMZ 2125

CHIN301 **Advanced Chinese I**

CHIN301 *(PermReq)* **Advanced Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN202 or equivalent. Non-majors admitted only after a placement interview. Readings in expository and fictional writing with conversation and composition.

0101	Yuli Wang	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 2125

CHIN305 **Life in China through TV Plays I**

CHIN305 Life in China through TV Plays I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHIN203, CHIN204 or permission of department. Using authentic Chinese language material in short TV plays to learn about society and life in China.

0101	Yuli Wang	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 1226

CHIN315 **Modern Chinese Literature in Translation**

CHIN315 Modern Chinese Literature in Translation; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Major works of fiction and drama from 1920 to the present read in the context of social and literary change. Emphasis on western and traditional Chinese influences on the writers and their works. No knowledge of Chinese required.

0101	Jianmei Liu	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	JMZ 2206

CHIN401 **Readings in Modern Chinese I**

CHIN401 Readings in Modern Chinese I; (3 credits) Grade Method: REG.
Prerequisite: CHIN302 or equivalent. Non-majors admitted only after a placement interview. Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.

0101	Nan Jiang	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 1103

CHIN418B **Special Topics in Contemporary Chinese Fiction and Film; Sex and City - Most Recent Chinese Fiction and Films**

CHIN418B Special Topics in Contemporary Chinese Fiction and Film: Sex and City - Most Recent Chinese Fiction and Films; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Jianmei Liu	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 2123

CHIN422 **Advanced Chinese Grammar**

CHIN422 Advanced Chinese Grammar; (3 credits) Grade Method: REG.
Prerequisite: CHIN302, CHIN322, or permission of department. Chinese sentence patterns studied contrasted with English and in terms of current pedagogical as well as linguistic theories.

0101	Guiling Hu	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2122

CHIN499 **Directed Study in Chinese**

CHIN499 Directed Study in Chinese; (1-3 credits) Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH Chemical Physics Fall 2010

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM 898E and CHEM 898F.

0101	YuHuang Wang	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHPH709B **Seminar in Chemical Physics; Statistical Physics Seminar**

CHPH709B Seminar in Chemical Physics: Statistical Physics Seminar; (1 credit)
Grade Method: REG/AUD.
Also offered as PHYS 709.

0101	John Weeks W 4:00pm - 5:00pm	Seats (Total: 20) IPT 1116

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as PHYS 838A.

0101	Theodore Einstein M 12:00pm - 1:00pm F 4:00pm - 6:00pm	Seats (Total: 15) PHY 2202 PHY 2120

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Fall 2010

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
This course cannot be taken for language credit. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English. Taught in English.

0101	Lillian Doherty MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0103	Discussion
0102	Lillian Doherty MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 BPS 1234	Discussion
0103	Lillian Doherty MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 COL 0113	Discussion
0104	Lillian Doherty MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 1224	Discussion

0105	Lillian Doherty MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 BPS 1228	Discussion
0106	Lillian Doherty MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 0108	Discussion
0107	Lillian Doherty MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MMH 3418	Discussion
0108	Lillian Doherty MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0104	Discussion
0201	Lillian Doherty MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 WDS 1114	Discussion
0202	Lillian Doherty MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 HBK 0105	Discussion
0203	Lillian Doherty MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 JMZ 0208	Discussion
0204	Lillian Doherty MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 COL 0102	Discussion
0205	Lillian Doherty MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 EGR 2154	Discussion
0206	Lillian Doherty MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 SKN 0104	Discussion

0207	Lillian Doherty MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 MMH 3418	Discussion
FC01	Ryan Moore TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SKN 0104	
FC02	Brendan Magee TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CHM 1224	
FC03	John Woods MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) MMH 0108	
FC04	Jason Edwards MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) SYM 0215	
FC05	William Proffitt TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CHM 1228	

CLAS270 **Greek Literature in Translation**

CLAS270 Greek Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Selections in translation of Greek literature from Homer to Lucian, with special emphasis on epic and dramatic poetry. No knowledge of Greek or Latin is required.

0101	Kenneth Tuite MWF 12:00pm - 12:50pm	Seats (Total: 35) SQH 1120	

CLAS309C **Special Topics in Classical Literature; Classical Tradition in Modern Greek Cinema & Theatre**

CLAS309C Special Topics in Classical Literature: Classical Tradition in Modern Greek Cinema & Theatre; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mary Pittas-Herschbach Tu 5:00pm - 7:40pm	Seats (Total: 35) PLS 1113

CLAS374 **Greek Tragedy in Translation**

CLAS374 Greek Tragedy in Translation; (3 credits) Grade Method: REG/P-F/AUD. Study and analysis of the tragedies of Aeschylus, Sophocles and Euripides with special attention to the concepts of character and of thought as conceived by Aristotle in The Poetics.

0101	Eva Stehle MW 2:00pm - 3:30pm	Seats (Total: 35) SQH 1101

CLAS419A **The Classical Tradition; Classical Tradition in America**

CLAS419A The Classical Tradition: Classical Tradition in America; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gregory Staley TuTh 12:30pm - 1:45pm	Seats (Total: 35) SYM 0215

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

CLAS699 *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Fall 2010

CLFS001 **Life Science Assessment Test**

CLFS001 Life Science Assessment Test; (No credit) Grade Method: REG/P-F/AUD.

PL01	Paul Mazzocchi	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

CLFS510 **Concepts of Modern Biology**

CLFS510 Concepts of Modern Biology; (3 credits) Grade Method: REG. *Prerequisite: permission of department. Corequisite: Open to high school and middle school teachers.* Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree.

PL01	William Higgins	Seats (Total: 28)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG. Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

PL01	Dorothy Mazzocchi	Seats (Total: 20)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**
Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**
Contact department for information to register for this course.

CLFS609A **Special Topics; Food Safety and GM Foods**

CLFS609A Special Topics: Food Safety and GM Foods; (3 credits) Grade Method: REG/AUD.

PL01	Lucinda Jack	Seats (Total: 30)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

CLFS619A **Special Topics in Chemistry; Molecular Spectroscopy**

CLFS619A Special Topics in Chemistry: Molecular Spectroscopy; (3 credits) Grade Method: REG/AUD.

PL01	Dorothy Mazzocchi, Paul Mazzocchi	Seats (Total: 20)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.

PL01	Paul Bottino	Seats (Total: 21)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

CLFS665 **Ecology and Global Change**

CLFS665 Ecology and Global Change; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: LFSC 609C or LFSC 665. Formerly LFSC609C. Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats.

PL01	Irwin Forseth	Seats (Total: 22)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

CLFS680 **Chemical Ecology**

CLFS680 Chemical Ecology; (3 credits) Grade Method: REG/AUD.
An examination of the utilization of organic natural products by plants and animals for various life processes. Examples will include how materials are utilized for sexual selection, defense against predators, sexual attractants, and as natural herbicides and repellants.

PL01	Dorothy Mazzocchi, Paul Mazzocchi, Bruce Jarvis	Seats (Total: 26)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

CMLT Comparative Literature Fall 2010

CMLT214 **Film Form and Culture**

CMLT214 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to film forms in international perspective. Emphasis on the techniques of film analysis, distinctions among film genres, and the history of cinema.

0101	Marianne Conroy	Seats (Total: 24)	
	MW 2:00pm - 2:50pm	TWS 1100	
	M 3:00pm - 4:50pm	TWS 1100	Lab
	F 10:00am - 10:50am	EDU 0202	Discussion

0102	Marianne Conroy MW 2:00pm - 2:50pm M 3:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 1100 EDU 0202	 Lab Discussion
0103	Marianne Conroy MW 2:00pm - 2:50pm M 3:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 1100 EDU 0202	 Lab Discussion
0104	Marianne Conroy MW 2:00pm - 2:50pm M 3:00pm - 4:50pm F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 1100 TWS 0205	 Lab Discussion

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Almila Ozdek TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1101	
0201	James Hodapp TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1101	
0301	Liora Moriel MWF 12:00pm - 12:50pm	Seats (Total: 35) HBK 0302H	
0401	Ellen Moll MWF 11:00am - 11:50am	Seats (Total: 35) HBK 0302H	

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST275. Credit will be granted for only one of the following: CMLT275 or WMST275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Liora Moriel MW 9:30am - 10:45am	Seats (Total: 35) SQH 1121
0201	Amy Karp MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 2122
0301	James Hodapp TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 2120
0401	Almila Ozdek TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts. Also offered as ENGL278L.

0101	Jeremy Metz MW 9:30am - 10:45am	Seats (Total: 35) TWS 1106
0201	Jeremy Metz MWF 11:00am - 11:50am	Seats (Total: 35) KEY 0126
0301	Isis Semaj-Hall TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1103

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Joseph Byrne Tu 12:30pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 25) SQH 1120 PLS 1119	 Discussion
0102	Joseph Byrne Tu 12:30pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) SQH 1120 PLS 1119	 Discussion
0103	Joseph Byrne Tu 12:30pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) SQH 1120 PLS 1119	 Discussion
0104	Joseph Byrne Tu 12:30pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) SQH 1120 PLS 1119	 Discussion

CMLT298M **Topics in Comparative Studies; Modern Catalan Literature**
Contact department for information to register for this course.

CMLT298N **American Indians in Literature and Film: Perspectives North and South**

CMLT298N American Indians in Literature and Film: Perspectives North and South; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Regina Harrison TuTh 3:30pm - 4:45pm	Seats (Total: 35) HBK 0302H	

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CMLT498F **Selected Topics in Comparative Studies; The Americas In Film**

CMLT498F Selected Topics in Comparative Studies: The Americas In Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL468F. A comparison of filmmaking in the Americas from an economic. socio-political, cultural, and national film industry perspective.

0101	Regina Harrison	Seats (Total: 32)	
	TuTh 11:00am - 12:15pm	HBK ROOM H	
	W 6:30pm - 8:30pm	HBK ROOM H	Lab

CMLT498L **Selected Topics in Comparative Studies; Sexuality in the Cinema**

CMLT498L Selected Topics in Comparative Studies: Sexuality in the Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379R.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 1100

CMLT498N **Selected Topics in Comparative Studies; Gypsy Culture**

CMLT498N Selected Topics in Comparative Studies: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379V.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0205

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788E **Practicum in Comparative Studies; Haiti: Literature and Ideology**

CMLT788E Practicum in Comparative Studies: Haiti: Literature and Ideology; (1 credit) Grade Method: S-F.
Class meets on September 10th; October 1st; October 22; and December 10th.

0101	Valerie Orlando, Zita Nunes	Seats (Total: 12)
	Contact instructor or department for details.	

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC Computer Science Fall 2010

CMSC100 **Bits and Bytes of Computer Science**

CMSC100 *(PermReq)* **Bits and Bytes of Computer Science; (1 credit)** Grade Method: REG.
For first time freshmen and first time transfer computer science majors. Students are introduced to the field (and disciplines) of computer science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.

0101	Brandi Adams	Seats (Total: 30)
	M 4:00pm - 4:50pm	CSI 3117

CMSC102 **Introduction to Information Technology**

CMSC102 Introduction to Information Technology; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
For non-majors only. Not recommended for BMGT students. Not open to students who have completed CMSC114 or higher. Credit will be granted for only one of the following: CMSC102, CMSC132 or CMSC214. If CMSC102 is taken before CMSC132 or CMSC214, then credit will be granted for both. A historical and practical introduction to computer and network terminology, applications and concepts. Students will have hands-on experience with a variety of tools available to find and access information on the Internet, to exchange information between computers, and to perform basic web design. Students will explore applications (such as browsers and spreadsheets) as well as different computing environments (such as Windows and UNIX). There will be discussions of social, legal, and ethical issues related to technology.

0101	Evan Golub MW 2:00pm - 3:15pm	Seats (Total: 60) CSI 2117	
0201	Evan Golub MW 3:30pm - 4:45pm	Seats (Total: 60) CSI 2117	

CMSC106 **Introduction to C Programming**

CMSC106 *(PermReq)* **Introduction to C Programming; (4 credits)** Grade Method: REG.
Prerequisite: permission of department. Pre- or corequisite: MATH140. Only for CMPS, ENCP and students with major code: 2299F. Not open to students who have completed CMSC114 or higher. Design and analysis of programs in C. An introduction to computing using structured programming concepts. For further information contact the Undergraduate Education Office, Computer Science Department.

0101	Jandelyn Plane MWF 9:00am - 9:50am MW 2:00pm - 2:50pm	Seats (Total: 25) CSI 3117 CSI 2118	 Discussion
0102	Jandelyn Plane MWF 9:00am - 9:50am MW 3:00pm - 3:50pm	Seats (Total: 25) CSI 3117 CSI 2118	 Discussion

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed CMSC132 or higher. Credit will be granted for only one of the following: CMSC122 or CMSC198N. Formerly CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Nelson Padua-Perez MWF 2:00pm - 2:50pm	Seats (Total: 55) CSI 3117	
0201	Nelson Padua-Perez MWF 3:00pm - 3:50pm	Seats (Total: 55) CSI 3117	

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java. For CMSC majors only.

0101	Fawzi Emad MWF 3:00pm - 3:50pm MW 10:00am - 10:50am	Seats (Total: 28) CSI 1115 CSI 2118	 Discussion
0102	Fawzi Emad MWF 3:00pm - 3:50pm MW 11:00am - 11:50am	Seats (Total: 27) CSI 1115 CSI 2118	 Discussion
0103	Fawzi Emad MWF 3:00pm - 3:50pm MW 9:00am - 9:50am	Seats (Total: 27) CSI 1115 CSI 2118	 Discussion

0201	Fawzi Emad MWF 1:00pm - 1:50pm MW 8:00am - 8:50am	Seats (Total: 27) CSI 1115 CSI 2120	 Discussion
0202	Fawzi Emad MWF 1:00pm - 1:50pm MW 9:00am - 9:50am	Seats (Total: 27) CSI 1115 CSI 2120	 Discussion
0203	Fawzi Emad MWF 1:00pm - 1:50pm MW 12:00pm - 12:50pm	Seats (Total: 27) CSI 1115 CSI 1122	 Discussion
0301	Fawzi Emad MWF 2:00pm - 2:50pm MW 11:00am - 11:50am	Seats (Total: 27) CSI 1115 CSI 2120	 Discussion
0302	Fawzi Emad MWF 2:00pm - 2:50pm MW 12:00pm - 12:50pm	Seats (Total: 27) CSI 1115 CSI 2120	 Discussion
0303	Fawzi Emad MWF 2:00pm - 2:50pm MW 8:00am - 8:50am	Seats (Total: 27) CSI 1115 CSI 2118	 Discussion
0401	Evan Golub MWF 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 27) CSI 1115 CSI 2120	 Discussion
0402	Evan Golub MWF 12:00pm - 12:50pm MW 2:00pm - 2:50pm	Seats (Total: 27) CSI 1115 CSI 2120	 Discussion

CMSC131H **Object-Oriented Programming I**

CMSC131H *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.

Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. For general honors students only.

0101	Nelson Padua-Perez MWF 11:00am - 11:50am MW 10:00am - 10:50am	Seats (Total: 22) CSI 1122 CSI 2120	Discussion

CMSC132 **Object-Oriented Programming II**

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.

Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or permission of the department based on satisfactory performance on the department placement exam, MATH140 with a grade of C or better, and permission of department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Laurence Herman MWF 11:00am - 11:50am MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 2107	Discussion
0103	Laurence Herman MWF 11:00am - 11:50am MW 10:00am - 10:50am	Seats (Total: 30) CSI 2117 CSI 2107	Discussion
0201	Laurence Herman MWF 12:00pm - 12:50pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 1122	Discussion
0202	Laurence Herman MWF 12:00pm - 12:50pm MW 10:00am - 10:50am	Seats (Total: 29) CSI 2117 CSI 1122	Discussion
0203	Laurence Herman MWF 12:00pm - 12:50pm MW 11:00am - 11:50am	Seats (Total: 30) CSI 2117 CSI 2107	Discussion
0302	Laurence Herman MWF 1:00pm - 1:50pm MW 9:00am - 9:50am	Seats (Total: 35) CSI 2117 CSI 1121	Discussion

CMSC132H **Object-Oriented Programming II**

CMSC132H *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or permission of the department based on satisfactory performance on the department placement exam, MATH140 with a grade of C or better, and permission of department. For general honors students only.

0101	James Purtilo	Seats (Total: 30)	
	MWF 1:00pm - 1:50pm	CSI 2118	
	MW 12:00pm - 12:50pm	CSI 2107	Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors; Special Topics for Non-Computer Science Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors: Special Topics for Non-Computer Science Majors; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC216 **Introduction to Computer Systems**

CMSC216 *(PermReq)* **Introduction to Computer Systems; (4 credits)** Grade Method: REG.
Prerequisite: CMSC131, CMSC132, MATH140, and MATH141. Corequisite: CMSC250. Not open to students who have completed CMSC212. Credit will be granted for only one of the following: CMSC212 or (CMSC213 and CMSC313) or CMSC216. Machine representation of data including intergers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Alan Sussman	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSI 2117	
	MW 9:00am - 9:50am	CSI 3120	Discussion

0102	Alan Sussman TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 26) CSI 2117 CSI 3120	Discussion
0201	Jandelyn Plane TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 26) CSI 2117 CSI 3120	Discussion
0202	Jandelyn Plane TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 26) CSI 2117 CSI 3120	Discussion
0203	Jandelyn Plane TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 25) CSI 2117 CSI 3118	Discussion
0301	Jandelyn Plane TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 26) CSI 2117 CSI 3120	Discussion
0302	Jandelyn Plane TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 26) CSI 2117 CSI 3120	Discussion

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C or better; MATH141; and permission of department. Formerly CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Donald Perlis TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 32) CSI 3117 CSI 3118	Discussion
0102	Donald Perlis TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 32) CSI 3117 CSI 3118	Discussion

0201	Donald Perlis TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 32) CSI 3117 CSI 3118	Discussion
0202	Donald Perlis TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 32) CSI 3117 CSI 3117	Discussion
0301	Nicholas Roussopoulos TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0302	Nicholas Roussopoulos TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 32) CSI 1115 CSI 3118	Discussion

CMSC289I **Rise of the Machines: Artificial Intelligence Comes of Age**

CMSC289I Rise of the Machines: Artificial Intelligence Comes of Age; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.
An introduction to how contemporary artificial intelligence systems work, including symbolic reasoning, neural modeling, swarm intelligence, and simulated evolution.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	James Reggia TuTh 11:00am - 12:15pm	Seats (Total: 60) CSI 3117	

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC311 **Computer Organization**

CMSC311 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250 each with a grade of C (2.0) or better; and permission of department. Introduction to assembly language. Design of digital logic circuits. Organization of central processors, including instruction sets, register transfer operations, control microprogramming, data representation, and arithmetic algorithms. Memory and input/output organization.

0101	Michelle Hugue TuTh 3:30pm - 4:45pm	Seats (Total: 110) CSI 1115	

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 20) CSI 3117 CSI 3120	 Discussion
0102	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 20) CSI 3117 CSI 3120	 Discussion
0103	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 20) CSI 3117 CSI 3120	 Discussion
0201	Chau-Wen Tseng TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 20) CSI 3117 CSI 3120	 Discussion

0202	Chau-Wen Tseng TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 20) CSI 3117 CSI 3120	 Discussion
0203	Chau-Wen Tseng TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 20) CSI 3117 CSI 3120	 Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC216 and CMSC250: each with a grade of C (2.0) or better; and permission of department. CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. Credit will be granted for only one of the following: CMSC251 or CMSC351. Formerly CMSC251. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Clyde Kruskal TuTh 9:30am - 10:45am	Seats (Total: 75) CSI 2117	
0201	Clyde Kruskal TuTh 12:30pm - 1:45pm	Seats (Total: 75) CSI 1115	

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to CMSC Honors Program. Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 *(PermReq)* **Computer Systems Architecture; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Michelle Hugue	Seats (Total: 40)	
	MW 3:30pm - 4:45pm	CSI 1122	

CMSC412 **Operating Systems**

CMSC412 *(PermReq)* **Operating Systems; (4 credits)** Grade Method: REG. CORE Capstone (CS) Course.

Prerequisites: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	William Arbaugh	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	CSI 1121	
	MW 10:00am - 10:50am	CSI 1121	Discussion
0102	William Arbaugh	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	CSI 1121	
	MW 11:00am - 11:50am	CSI 1121	Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.

Prerequisite: CMSC216 and CMSC330 with a grade of C or better in each; and permission of department; or CMSC graduate student. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	A.U. Shankar TuTh 12:30pm - 1:45pm	Seats (Total: 45) CSI 1121

CMSC417 **Computer Networks**

CMSC417 *(PermReq)* **Computer Networks; (3 credits)** Grade Method: REG. *Prerequisite: CMSC330 and CMSC351 with a grade of C or better in each; and permission of department; or CMSC graduate student.* Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Neil Spring TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 3120

CMSC420 **Data Structures**

CMSC420 *(PermReq)* **Data Structures; (3 credits)** Grade Method: REG. *Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of department; or CMSC graduate student.* Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Hanan Samet TuTh 9:30am - 10:45am	Seats (Total: 40) CSI 1121
0201	Michelle Hugue TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 2107

CMSC423 **Bioinformatic Algorithms, Databases, and Tools**

CMSC423 *(PermReq)* **Bioinformatic Algorithms, Databases, and Tools; (3 credits)** Grade Method: REG.
Prerequisite: CMSC351 with a grade of C or better; or permission of department. An introduction to the main algorithms, databases, and tools used in bioinformatics. Topics may include assembly and analysis of genome sequences, reconstructing evolutionary histories, predicting protein structure, and clustering of biological data. Use of scripting languages to perform analysis tasks on biological data. No prior knowledge of biology is assumed.

0101	Carleton Kingsford	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 2107

CMSC424 **Database Design**

CMSC424 *(PermReq)* **Database Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: CMSC330 and CMSC351 with a grade of C or better in each; and permission of department; or CMSC graduate student. Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Nicholas Roussopoulos	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CSI 3120

CMSC426 **Image Processing**

CMSC426 *(PermReq)* **Image Processing; (3 credits)** Grade Method: REG.
Prerequisite: CMSC 420 and permission of department; or CMSC graduate student. An introduction to basic techniques of analysis and manipulation of pictorial data by computer. Image input/output devices, image processing software, enhancement, segmentation, property measurement, Fourier analysis. Computer encoding, processing, and analysis of curves.

0101	John Aloimonos	Seats (Total: 32)
	TuTh 12:30pm - 1:45pm	CSI 3118

CMSC427 **Computer Graphics**

CMSC427 *(PermReq)* **Computer Graphics; (3 credits)** Grade Method: REG.
Prerequisites: MATH240; and a grade of C or better in CMSC420; and permission of department; or CMSC graduate student. An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems. Introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.

0101	David Mount	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 2120

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 *(PermReq)* **Programming Language Technologies and Paradigms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC330; and permission of department; or CMSC graduate student. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Michael Hicks	Seats (Total: 40)
	MW 2:00pm - 3:15pm	CSI 1122

CMSC435 **Software Engineering**

CMSC435 *(PermReq)* **Software Engineering; (3 credits)** Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisites: (CMSC412, CMSC417, CMSC420, CMSC430, or CMSC433) with a grade of C or better and permission of department; or CMSC graduate student. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	CSI 1122

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 *(PermReq)* **Design and Analysis of Computer Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: a grade of C or better in CMSC351; and permission of department; or CMSC graduate student. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Clyde Kruskal	Seats (Total: 40)
	MWF 1:00pm - 1:50pm	CSI 1121

CMSC456 **Cryptology**

CMSC456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351; and permission of department; or CMSC graduate student. Also offered as MATH456. Credit will be granted for only one of the following: CMSC456 or MATH456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Jonathan Katz	Seats (Total: 40)
	MW 3:30pm - 4:45pm	CSI 1121

CMSC460 **Computational Methods**

CMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Howard Elman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 3120

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Doron Levy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EGR 2154

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498F **Selected Topics in Computer Science; Machine Learning**

CMSC498F *(PermReq)* **Selected Topics in Computer Science: Machine Learning; (3 credits)** Grade Method: REG.
Prerequisites: CMSC 330 and 351: An introduction to representations and algorithms that allow machines to improve their performance at tasks from experience. Topics include: linear classification, decision tree neural networks, support vector machines, relational learning, reinforcement learning, and clustering algorithms such as k-means and hierarchical agglomerative clustering.

0101	Lilyana Mihalkova	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CSI 2107

CMSC498G **Selected Topics in Computer Science; Programming the Android Phone**

CMSC498G *(PermReq)* **Selected Topics in Computer Science: Programming the Android Phone; (1 credit)** Grade Method: REG.

0101	Adam Porter	Seats (Total: 30)
	W 3:00pm - 3:50pm	CSI 3118

CMSC498I **Selected Topics in Computer Science; Programming the Iphone**

CMSC498I *(PermReq)* **Selected Topics in Computer Science: Programming the Iphone; (3 credits)** Grade Method: REG.

0101	Adam Porter	Seats (Total: 32)
	MWF 2:00pm - 2:50pm	CSI 3118

CMSC498P **Selected Topics in Computer Science; Industrial Practices Apprenticeship**

CMSC498P *(PermReq)* **Selected Topics in Computer Science: Industrial Practices Apprenticeship; (1 credit)** Grade Method: REG.
Co-requisite: CMSC 435.

0101	James Purtilo	Seats (Total: 40)
	Contact instructor or department for details.	

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC631 **Program Analysis and Understanding**

CMSC631 Program Analysis and Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 430 or equivalent. Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.

0101	Jeffrey Foster	Seats (Total: 22)
	MW 3:30pm - 4:45pm	CSI 2120

CMSC660 **Scientific Computing I**

CMSC660 *(PermReq)* **Scientific Computing I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: AMSC/CMSC/MAPL 460 or AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as AMSC 660. Credit will be granted for only one of the following: AMSC 660, CMSC 660 or MAPL 660.* Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software for each topic.

0201	Dianne O'Leary	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 2118

CMSC663 **Advanced Scientific Computing I**

CMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG. Also offered as AMSC663.

0101	Radu Balan	Seats (Total: 25)
	TuTh 5:15pm - 6:30pm	CSI 4122

CMSC666 **Numerical Analysis I**

CMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as AMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666.* Interpolation and approximation, numerical integration, solution algorithms for nonlinear systems of equations, numerical optimization.

0101	Tobias von Petersdorff	Seats (Total: 25)
	MWF 11:00am - 11:50am	CHM 0122

CMSC711 **Computer Networks**

CMSC711 Computer Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 412 or equivalent. Priciples, design, and performance evaluation of computer networks. Network architectures including the ISO model and local area networks (LANs). Communication protocols and network topology.

0101	Samrat Bhattacharjee	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 3118

CMSC714 **High Performance Computing Systems**

CMSC714 High Performance Computing Systems; (3 credits) Grade Method: REG.
Prerequisites: (CMSC411 and CMSC412) or permission of instructor. Slected topics in high-performance systems, including contemporary architectures, interconnection topologies, shared memory and message-passing systems, multi-threaded kernels, latency avoidance and hiding techniques, methods for data and workload partitioning performance profiling, debugging.

0101	Jeffrey Hollingsworth	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC723 **Computational Linguistics I**

CMSC723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC421 or equivalent; or permission of instructor. PhD Comp credit for CMSC723 or CMSC823, not both. Also offered as LING723. Not open to students who have completed LING645. Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Hal Daume	Seats (Total: 47)
	TuTh 12:30pm - 1:45pm	CSI 2107

CMSC726 **Machine Learning**

CMSC726 Machine Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 421 or equivalent or permission of instructor. Reviews and analyzes both traditional symbol-processing methods and genetic algorithms as approaches to machine learning. (Neural network learning methods are primarily covered in CMSC 727.) Topics include induction of decision trees and rules, version spaces, candidate elimination algorithm, exemplar-based learning, genetic algorithms, evolution under artificial selection of problem-solving algorithms, system assessment, comparative studies, and related topics.

0101	Lise Getoor	Seats (Total: 45)
	TuTh 3:30pm - 4:45pm	CSI 1121

CMSC737 **Fundamentals of Software Testing**

CMSC737 Fundamentals of Software Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC435 or equivalent. Formerly CMSC838M. Examine fundamental software testing and related program analysis techniques. In particular, the important phases of testing will be reviewed, emphasizing th significance of each phase when testing different types of software. Concepts include: test generation, oracles, prioritization and coverage, regression and mutation testing, and program analysis.

0101	Atif Memon	Seats (Total: 20)
	TuTh 8:00am - 9:15am	CSI 1121

CMSC741 **Geometric and Solid Modeling**

CMSC741 Geometric and Solid Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH240 and CMSC420, or permission of instructor. Formerly CMSC828D. An introduction to modeling and mesh-based representations for solid objects, surfaces, and scalar fields; boundary and volumetric models for solid objects. Applications to computer aided design, computer graphics, scientific visualization, finite elements, computer vision, and robotics.

0101	Hanan Samet	Seats (Total: 20)
	F 9:00am - 11:30am	CSI 3118

CMSC764 **Advanced Numerical Optimization**

CMSC764 Advanced Numerical Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH410 or permission of instructor. Also offered as AMSC607. Credit will be granted for only one of the following: AMSC607, CMSC764, or MAPL607. Formerly CMSC878O. Modern numerical methods for solving uncontrained and constrained nonlinear optimization problems in finite dimensions. Design of computational algorithms and the analysis of their properties.

0101	Dianne O'Leary	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 2118

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems; Information-Centric Design of Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems: Information-Centric Design of Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818B **Advanced Topics in Computer Systems; Distributed and Peer-to-Peer File Systems**

CMSC818B Advanced Topics in Computer Systems: Distributed and Peer-to-Peer File Systems; (1-3 credits) Grade Method: REG/AUD.

0101	Peter Keleher TuTh 2:00pm - 3:15pm	Seats (Total: 20) CSI 3118

CMSC818G **Advanced Topics in Computer Systems; Information-Centric Design of Systems**

CMSC818G Advanced Topics in Computer Systems: Information-Centric Design of Systems; (3 credits) Grade Method: REG/AUD.

0101	Ashok Agrawala TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSI 3120

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828B **Advanced Topics in Information Processing**

CMSC828B Advanced Topics in Information Processing; (1-3 credits) Grade Method: REG/AUD.

0101	David Jacobs MW 3:30pm - 4:45pm	Seats (Total: 20) CSI 3120

CMSC828D **Advanced Topics in Information Processing; .Introduction to Game Theory**

CMSC828D Advanced Topics in Information Processing; (1-3 credits) Grade Method: REG/AUD.

0101	Dana Nau TuTh 3:30pm - 4:45pm	Seats (Total: 20) CSI 1122

CMSC828E **Advanced Topics in Information Processing**

CMSC828E Advanced Topics in Information Processing; (1-3 credits) Grade Method: REG/AUD.

0101	Amol Deshpande MW 3:30pm - 4:45pm	Seats (Total: 20) CSI 2107

CMSC828H **Advanced Topics in Information Processing**

CMSC828H Advanced Topics in Information Processing; (1-3 credits) Grade Method: REG/AUD.

0101	Steven Salzberg TuTh 2:00pm - 3:15pm	Seats (Total: 20) BSB 3120

CMSC828P **Advanced Topics in Information Processing; Image Understanding**

CMSC828P Advanced Topics in Information Processing: Image Understanding; (3 credits) Grade Method: REG/AUD.
Also offered as ENEE731.

0101	Ramalingam Chellappa TuTh 2:00pm - 3:15pm	Seats (Total: 45) CSI 1121

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC838B **Advanced Topics in Programming Languages; Reading Seminar in Human Computation**

CMSC838B Advanced Topics in Programming Languages: Reading Seminar in Human Computation; (1 credit) Grade Method: REG/AUD.

0101	Ben Bederson Tu 2:00pm - 2:50pm	Seats (Total: 20) HBK 2105

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858B **Advanced Topics in Theory of Computing; Error Correcting Codes**

CMSC858B Advanced Topics in Theory of Computing: Error Correcting Codes; (3 credits) Grade Method: REG/AUD.

0101	Alexander Barg	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 1104

CMSC858F **Advanced Topics in Theory of Computing; Algorithmic Game Theory**

CMSC858F Advanced Topics in Theory of Computing: Algorithmic Game Theory; (3 credits) Grade Method: REG/AUD.

0101	Mohammad Hajiaghayi	Seats (Total: 20)
	W 4:00pm - 7:00pm	CSI 2118

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Fall 2010

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches. Attendance on the first day of classes is mandatory.

0101	Janna Raudenbush MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1176
0201	James Marconi TuTh 8:00am - 9:15am	Seats (Total: 24) SKN 0104
0301	Yi Ren TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1184
0401	Katie Irwin MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1184
0501	Alison Bassi MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1184
0601	Jarim Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1180
0701	Doo Lee TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1176
0801	Andrea Narvaez MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1176
0901	Melissa Janoske TuTh 8:00am - 9:15am	Seats (Total: 22) PLS 1162

1001	Sreashi Das TuTh 12:30pm - 1:45pm	Seats (Total: 24) SKN 0104
1101	Stephen Underhill MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1180
1201	Steven Cohen TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1176
1301	Melissa Janoske TuTh 9:30am - 10:45am	Seats (Total: 22) PLS 1162
1401	Doo Lee TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1176
1501	Hyunhee Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1184
1601	Hyunhee Kim TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1184
1701	Andrea Narvaez MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1176
1801	Jarim Kim TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1180
1901	Sreashi Das TuTh 2:00pm - 3:15pm	Seats (Total: 24) SKN 0104
2001	Ling Na MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1180
2101	Ahnlee Jang MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1176
2201	Katie Irwin MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1184
2301	Ahnlee Jang MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1176

2401	Ling Na MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1180
2501	Abigail Seiler MWF 8:00am - 8:50am	Seats (Total: 24) SKN 0104
2601	Janna Raudenbush MWF 1:00pm - 1:50pm	Seats (Total: 8) PLS 1176
2701	Jennifer Bly MWF 11:00am - 11:50am	Seats (Total: 3) PLS 1180
2801	Jennifer Bly MWF 10:00am - 10:50am	Seats (Total: 1) PLS 1180
2901	Kelly Daily MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1184
3001	Abigail Seiler MWF 9:00am - 9:50am	Seats (Total: 24) SKN 0104
3101	Gerry Strumpf TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1184
3201	James Marconi TuTh 9:30am - 10:45am	Seats (Total: 24) SKN 0104
3301	James Gilmore TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1180
3401	Steven Cohen TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1176
3501	Kelly Daily MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1184
3601	Stephen Underhill MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1180
3901	Leysan Khakimova TuTh 11:00am - 12:15pm	Seats (Total: 23) PLS 1162

4001	Alison Bassi MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1184

COMM107M **Oral Communication: Principles and Practices**
Contact department for information to register for this course.

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues. Attendance on the first day of classes is mandatory.

0101	Yoav Magid TuTh 12:30pm - 1:45pm	Seats (Total: 25) HBK 1108
0201	Jade Olson MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1111
0401	Jade Olson MWF 11:00am - 11:50am	Seats (Total: 25) PLS 1115
0501	Yoav Magid TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0205
FC01	Abbe Depretis TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 14) ASY 3219
FC02	Jade Olson TuTh 7:30pm - 8:45pm	Seats (Total: 0) SQH 2121

COMM200U **Critical Thinking and Speaking**
Contact department for information to register for this course.

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate. Attendance on the first day of class is mandatory.

0101	Sean Luechtefeld TuTh 8:00am - 9:15am	Seats (Total: 24) SYM 0209	
0201	Sean Luechtefeld TuTh 9:30am - 10:45am	Seats (Total: 24) SYM 0209	
0301	Benjamin Krueger TuTh 11:00am - 12:15pm	Seats (Total: 24) SQH 1121	
0401	Benjamin Krueger TuTh 12:30pm - 1:45pm	Seats (Total: 24) SQH 1121	

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Limited to COMM majors with sophomore and junior standing, or permission of department. Credit will be granted for only one of the following: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly JOUR231. Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 11:00am - 12:50pm W 11:00am - 12:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 3:00pm - 4:50pm W 3:00pm - 4:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Richard Toth Tu 11:00am - 12:50pm Th 11:00am - 12:50pm	Seats (Total: 18) PLS 1129 PLS 1129	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in COMM231 or equivalent and permission of department. Limited to COMM majors. Credit will be granted for only one of the following: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Rowena Briones Tu 8:00am - 9:50am Th 8:00am - 9:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Rowena Briones Tu 10:00am - 11:50am Th 10:00am - 11:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Robert Gaines MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TLF 1103	 Discussion
0102	Robert Gaines MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TLF 1103	 Discussion
0103	Robert Gaines MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 KEY 0125	 Discussion
0104	Robert Gaines MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TLF 1101	 Discussion

0105	Robert Gaines MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 KEY 0123	Discussion
0106	Robert Gaines MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 TLF 1101	Discussion
0107	Robert Gaines MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 HBK 1108	Discussion
0108	Robert Gaines MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HBK 1108	Discussion
0109	Robert Gaines MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PLS 1113	Discussion

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM298P **Selected Topics in Communication; Introduction to Public Relations**
Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Nneka Ifeoma Ofulue TuTh 3:30pm - 4:45pm	Seats (Total: 140) TYD 0130	

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0201	William Lawson TuTh 11:00am - 12:15pm	Seats (Total: 60) CHM 0115
0301	William Lawson TuTh 9:30am - 10:45am	Seats (Total: 45) EGR 3106

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Grade C or better in JOUR201, JOUR231, COMM231 or COMM250; or permission of department. For COMM majors only. Not open to students who have completed JOUR330. Credit will be granted for only one of the following: COMM350 or COMM430 or JOUR330 or JOUR530. Formerly JOUR330. The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0101	Susan Simon TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMP 1109
0201	Brooke Liu TuTh 9:30am - 10:45am	Seats (Total: 35) SYM 0215

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade C or better in JOUR202, JOUR232 or COMM232; and COMM350. For COMM majors only. Not open to students who have completed JOUR331. Credit will be granted for only one of the following: COMM351 or JOUR331. Formerly JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Lucinda Austin M 8:00am - 9:15am W 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Lucinda Austin M 9:30am - 10:45am W 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Linda Aldoory M 1:00pm - 2:15pm W 1:00pm - 2:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0401	Beth Sundstrom Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in COMM351. For COMM majors only. Not open to students who have completed JOUR332. Credit will be granted for only one of the following: COMM352 or JOUR332. Formerly JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Abbey Levenshus Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

0201	Beth Kuch	Seats (Total: 18)	
	Tu 12:00pm - 1:15pm	EGR 3140	
	Th 12:00pm - 1:15pm	EGR 3140	Lab

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
45 hours of supervised internship per credit hour. Only 3 credits may be used to fulfill the requirements for the Communication major. Prerequisite: permission of department. Junior standing. For COMM majors only. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin	Seats (Total: 65)
	Contact instructor or department for details.	
SG91	Julie Gowin	Seats (Total: 20)
	Contact instructor or department for details.	

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398C **Selected Topics in Communication; Crisis Communication**

COMM398C Selected Topics in Communication: Crisis Communication; (3 credits) Grade Method: REG.
Restricted to COMM students at Shady Grove.

SG91	Judith Tenney TuTh 8:00am - 9:15am *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 3219

COMM398D **Selected Topics in Communication; Advocacy Short Film**

COMM398D Selected Topics in Communication: Advocacy Short Film; (3 credits) Grade Method: REG.
Restricted to COMM students at Shady Grove.

SG91	William Lawson MW 12:30pm - 1:45pm	Seats (Total: 20) BLD3 3212

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.

0101	Xiaoli Nan MW 2:00pm - 3:15pm *Restricted to COMM majors only.*	Seats (Total: 35) SKN 0104

COMM398K **Selected Topics in Communication; Digital Communication & Strategic Message Design**

COMM398K Selected Topics in Communication: Digital Communication & Strategic Message Design; (3 credits) Grade Method: REG.

SG91	Robert Coleman MW 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 20) BLD3 3212

COMM398V **Selected Topics in Communication; Visual Communication**

COMM398V Selected Topics in Communication: Visual Communication; (3 credits) Grade Method: REG.
Restricted to COMM students at Shady Grove.

SG91	Robert Coleman MW 9:00am - 10:45am *Restricted to Shady Grove COMM students only.*	Seats (Total: 20) BLG3 3212	

COMM398W **Selected Topics in Communication; Web Design**

COMM398W Selected Topics in Communication: Web Design; (3 credits) Grade Method: REG.
Restricted to COMM students at Shady Grove.

SG91	Robert Coleman MW 2:00pm - 3:45pm	Seats (Total: 20) BLD3 3212	

COMM398X **Selected Topics in Communication; Media Law and Ethics**
Contact department for information to register for this course.

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)	
4001	Xiaoli Nan Contact instructor or department for details.	Seats (Total: 10)	

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250 and an introductory course in statistics. For COMM majors only. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory. For majors only.

0101	Monique Turner TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) LEF 2205 EGR 3140	 Discussion

0102	Monique Turner TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) LEF 2205 EGR 3140	Discussion
0103	Monique Turner TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) LEF 2205 EGR 3140	Discussion
0104	Monique Turner TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) LEF 2205 PLS 1119	Discussion
0105	Monique Turner TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) LEF 2205 PLS 1129	Discussion
0106	Monique Turner TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) LEF 2205 PLS 1164	Discussion

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Principles and approaches for practical analysis of discourse designed to shape audience opinion. Attendance on the first day of classes is mandatory.

0101	Kristjana Maddux TuTh 12:30pm - 1:20pm W 9:00am - 9:50am	Seats (Total: 20) CHE 2110 PLS 1146	Discussion
0102	Kristjana Maddux TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 20) CHE 2110 PLS 1164	Discussion
0103	Kristjana Maddux TuTh 12:30pm - 1:20pm W 11:00am - 11:50am	Seats (Total: 20) CHE 2110 HBK 0123	Discussion

0104	Kristjana Maddux TuTh 12:30pm - 1:20pm W 9:00am - 9:50am	Seats (Total: 20) CHE 2110 PLS 1162	Discussion
0105	Kristjana Maddux TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 20) CHE 2110 PLS 1172	Discussion
0106	Kristjana Maddux TuTh 12:30pm - 1:20pm W 11:00am - 11:50am	Seats (Total: 20) CHE 2110 MTH 1311	Discussion
0201	William Lawson TuTh 2:00pm - 3:15pm	Seats (Total: 45) ARM 0112	
SG91	William Lawson MW 2:00pm - 3:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4211	

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Philosophical and conceptual analysis of communication theories. Attendance on the first day of classes is mandatory.

0101	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) CHM 1402 HBK 0109	Discussion
0102	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0103	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1402 HBK 0109	Discussion

0104	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0105	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1402 HBK 0109	Discussion
0106	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
SG91	David Payne TuTh 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4215	

COMM424 **Communication in Complex Organizations**

COMM424 Communication in Complex Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0101	Judith Tenney TuTh 3:30pm - 4:45pm	Seats (Total: 60) SKN 0104	
SG91	Judith Tenney TuTh 9:30am - 10:45am *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4212	

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

0101	Meina Liu M 3:30pm - 6:30pm	Seats (Total: 35) KEY 0126	

0201	Meina Liu W 3:30pm - 6:30pm	Seats (Total: 35) KEY 0126

COMM450 **Ancient and Medieval Rhetorical Theory**

COMM450 Ancient and Medieval Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Credit will be granted for only one of the following: COMM450, or COMM650. A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.

0101	Robert Gaines MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 1119

COMM455 **Speechwriting**

COMM455 Speechwriting; (3 credits) Grade Method: REG/P-F/AUD.
The study of message strategies in order to research and develop effective speech texts appropriate to speakers and their audiences in various public contexts.

0101	Trevor Parry-Giles MW 3:30pm - 4:45pm	Seats (Total: 25) SQH 1117

COMM458C **Seminar in Political Communication; Civic Communication**

COMM458C Seminar in Political Communication: Civic Communication; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kristjana Maddux TuTh 9:30am - 10:45am	Seats (Total: 35) HBK 0103

COMM460 **Public Life in American Communities, 1634-1900**

COMM460 Public Life in American Communities, 1634-1900; (3 credits) Grade Method: REG/P-F/AUD.
Ways that Americans have used their voice to create public life. Focus is on the diverse social communities that have characterized American life and the place and characteristics of oral discourse in each.

0101	James Klumpp TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 2111

COMM469Y **The Discourse of Social Movements; Communication & Religion**

COMM469Y The Discourse of Social Movements: Communication & Religion; (3 credits) Grade Method: REG/P-F/AUD.

0101	Nneka Ifeoma Ofulue TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 1101
0201	Nneka Ifeoma Ofulue TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0221

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104

COMM472 **Nonverbal Communication**

COMM472 Nonverbal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Nonverbal communication in human interaction theory and research on proxemics, kinesics and paralanguage as expression of relationship, affect and orientation within and across cultures.

0101	Judith Tenney TuTh 2:00pm - 3:15pm	Seats (Total: 90) MMH 1400

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0101	Edward Fink TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 0105	
0201	Xiaoli Nan MW 3:30pm - 4:45pm	Seats (Total: 35) SKN 0104	
0301	Sanja Novitsky TuTh 12:30pm - 1:45pm	Seats (Total: 45) BPS 0283	

COMM478 **Communication Colloquium**

COMM478 Communication Colloquium; (1 credit) Grade Method: REG/P-F/AUD.

0101	Leah Waks F 12:00pm - 1:30pm	Seats (Total: 50) SKN 0200	

COMM482 **Intercultural Communication**

COMM482 Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

0101	Meina Liu MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion
0102	Meina Liu MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 25) MMH 1400 KEY 0120	Discussion
0103	Meina Liu MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion

0104	Meina Liu MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 25) MMH 1400 KEY 0123	Discussion
0105	Meina Liu MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion
0106	Meina Liu MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 25) MMH 1400 KEY 0125	Discussion
SG91	David Payne TuTh 12:30pm - 1:45pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 3220	

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Not open to students who have completed JOUR483. Credit will be granted for only one of the following: COMM483 or JOUR483. Formerly JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) PLS 1158

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Richard Toth, Leah Waks	Seats (Total: 20)
	Contact instructor or department for details.	

COMM498D **Seminar; Dialectic, Dialogue, and Argument**

COMM498D Seminar: Dialectic, Dialogue, and Argument; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to COMM majors only. Click here for more course information.

0101	Dale Hample	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SQH 1121

COMM498F **Seminar; Society, Politics, and Mass Media in Israel**

COMM498F Seminar: Society, Politics, and Mass Media in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL449F and JOUR458F. Credit will be granted for one of the following COMM498F, ISRL449F or JOUR458F.

0101	Anat First	Seats (Total: 40)
	MW 11:00am - 12:15pm	TWS 0207

COMM655 **Seminar in Speechwriting**

COMM655 Seminar in Speechwriting; (3 credits) Grade Method: REG/AUD. *Formerly SPCH655.* Theoretical and practical aspects of speechwriting at an advanced level.

0101	Trevor Parry-Giles	Seats (Total: 10)
	MW 3:30pm - 4:45pm	SQH 1117

COMM686 **Teaching Communication**

COMM686 Teaching Communication; (1 credit) Grade Method: REG/AUD. *Formerly SPCH686.* Principles of effective teaching--content and process--in the college communication classroom.

0101	Andrew Wolvin	Seats (Total: 30)
	W 12:00pm - 1:00pm	SKN 2127

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698P **Special Problems in Communication; Public Campaigns**

COMM698P Special Problems in Communication: Public Campaigns; (3 credits) Grade Method: REG/AUD.

0101	Linda Aldoory	Seats (Total: 15)
	M 6:30pm - 9:30pm	SKN 2127

COMM700 **Introduction to Graduate Study in Communication**

COMM700 Introduction to Graduate Study in Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: admission to the Ph.D. program in COMM. Formerly SPCH700. Basic skills in communication research.

0101	James Klumpp	Seats (Total: 30)
	Th 6:30pm - 9:30pm	SKN 2127

COMM703 **Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models**

COMM703 Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models; (3 credits) Grade Method: REG/AUD.
Prerequisites: COMM 702 and permission of instructor. Formerly SPCH703. Model evaluation and theory construction in communication research. Causal systems in current communication research: recursive, nonrecursive, and unobserved variable models. Students must have a dissertation research project requiring quantitative methods.

0101	Edward Fink	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM712 **Advanced Historical/Critical Methods in Communication Research**

COMM712 Advanced Historical/Critical Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisites: COMM 711 and permission of instructor. Formerly SPCH712. Critical assessment of qualitative approaches to communication. Introduction to significant schools of historical and critical research. Advanced techniques for inquiry and manuscript preparation. Students must have dissertation research project requiring historical or critical method.

0101	Shawn Parry-Giles	Seats (Total: 15)
	Th 3:30pm - 6:30pm	SKN 2127

COMM714 **Introduction to Qualitative Methods in Communication Research**

COMM714 *(PermReq)* **Introduction to Qualitative Methods in Communication Research; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Methods for field research in communication including interiewing, ethnographic and participant intervention, focus groups, and content analysis. Formulation of significant research questions, systematic collection of field data, formulating substantial claims from the research, organizing and writing research from disciplinary outlets.

0101	Elizabeth Toth	Seats (Total: 15)
	W 3:30pm - 6:30pm	SKN 2127

COMM775 **Seminar in Persuasion and Attitude Change**

COMM775 Seminar in Persuasion and Attitude Change; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly SPCH775. This seminar will concentrate on the problem of making message strategy decisions. Course content will consist of study of both theoretical and empirical research on attitude and attitude change in persuasive communication.

0101	Monique Turner	Seats (Total: 15)
	Tu 6:30pm - 9:30pm	SKN 2127

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Fall 2010

CONS608 **Seminar in Sustainable Development and Conservation Biology**

CONS608 Seminar in Sustainable Development and Conservation Biology; (1-2 credits) Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Amy Villamagna	Seats (Total: 20)
	Th 12:00pm - 12:50pm	BPS 1208

CONS609 **Special Topics in Conservation Biology**

CONS609 Special Topics in Conservation Biology; (1-3 credits) Grade Method: REG/S-F.

0101	Karen Lips	Seats (Total: 20)
	Contact instructor or department for details.	
0102	James Dietz	Seats (Total: 20)
	Contact instructor or department for details.	

CONS609I **Special Topics in Conservation Biology; Internship**

CONS609I Special Topics in Conservation Biology: Internship; (1-3 credits) Grade Method: S-F.

0101	Karen Lips Contact instructor or department for details.	Seats (Total: 20)
0102	Amy Villamagna Contact instructor or department for details.	Seats (Total: 20)

CONS680 **Problem Solving in Conservation/Development**

CONS680 Problem Solving in Conservation/Development; (4 credits) Grade Method: REG/AUD.
Students will be exposed to current problems in conservation and development through great lectures, field trips, interviews and appropriate literature. Working in teams, students will formulate recommendations based on a synthesis of biological, economic and policy considerations.

0101	Amanda Zets, Karen Lips MW 1:00pm - 4:30pm	Seats (Total: 20) COL 0117

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-4 credits) Grade Method: REG/S-F.

1112	Karen Lips Contact instructor or department for details.	Seats (Total: 50)
1113	Amy Villamagna Contact instructor or department for details.	Seats (Total: 10)
1114	James Dietz Contact instructor or department for details.	Seats (Total: 20)

CPSP College Park Scholars Program Fall 2010

CPSP118A **College Park Scholars Colloquium I; Arts**

CPSP118A College Park Scholars Colloquium I: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess M 6:00pm - 7:15pm	Seats (Total: 90) CCC 1100

CPSP118B **College Park Scholars Colloquium I; Business, Society, and the Economy**

CPSP118B College Park Scholars Colloquium I: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Business, Society, and the Economy. All students in both sections should convene on Monday, August 30, from 6:15 to 9:15pm., in 1212 Van Munching Hall. At this time, schedules of each of the two sections will be discussed, including meeting dates, times, and locations.

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 45)
0201	Mark Wellman Contact instructor or department for details.	Seats (Total: 45)

CPSP118D **College Park Scholars Colloquium I; Science, Discovery, and Universe**

CPSP118D College Park Scholars Colloquium I: Science, Discovery, and Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe. First colloquium will meet in CCC 1205.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 43) CCC 1205
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 43) CCC 1111

CPSP118E **College Park Scholars Colloquium I; Environment, Technology and Economy**

CPSP118E College Park Scholars Colloquium I: Environment, Technology and Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Econom y. Each week, students will meet in either the lecture or discussion sectio n. A schedule will be provided in the first course session on Tuesday, August 31st at 4 p.m., in 1205 CCC.

0101	Tara Daniel, Becky Archer, Rachel Steele Tu 4:00pm - 5:15pm Tu 4:00pm - 4:50pm	Seats (Total: 20) CCC 1205 CCC 1105	Discussion
0102	Becky Archer, Rachel Steele, Tara Daniel Tu 4:00pm - 5:15pm Tu 5:00pm - 5:50pm	Seats (Total: 20) CCC 1205 CCC 1105	Discussion
0103	Tara Daniel, Rachel Steele, Becky Archer Tu 4:00pm - 5:15pm W 4:00pm - 4:50pm	Seats (Total: 20) CCC 1205 CCC 1105	Discussion
0104	Rachel Steele, Becky Archer, Tara Daniel Tu 4:00pm - 5:15pm W 3:00pm - 3:50pm	Seats (Total: 20) CCC 1205 CCC 1105	Discussion

CPSP118F **College Park Scholars Colloquium I; Global Public Health**

CPSP118F College Park Scholars Colloquium I: Global Public Health; (1 credit)
Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Global Public Health (CPGH).

0101	Robert Gold M 4:00pm - 5:30pm	Seats (Total: 80) SPH 1303

CPSP118G **College Park Scholars Colloquium I; Science and Global Change**

CPSP118G College Park Scholars Colloquium I: Science and Global Change; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz, John Merck Tu 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP118J **College Park Scholars Colloquium I; Media, Self, and Society**

CPSP118J College Park Scholars Colloquium I: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Th 3:30pm - 4:50pm	Seats (Total: 90) CCC 1100	

CPSP118L **College Park Scholars Colloquium I; Life Sciences**

CPSP118L College Park Scholars Colloquium I: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton W 3:30pm - 5:30pm	Seats (Total: 100) PLS 1140	

CPSP118N **College Park Scholars Colloquium I; International Studies**

CPSP118N College Park Scholars Colloquium I: International Studies; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies. This course will meet every other week. The first class will meet on August 30, 2010.

0101	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0103	Discussion
0102	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0118	Discussion
0103	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0122	Discussion
0104	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 2125	Discussion

CPSP118P **College Park Scholars Colloquium I; Public Leadership**

CPSP118P College Park Scholars Colloquium I: Public Leadership; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Stacy Kosko W 2:00pm - 3:15pm	Seats (Total: 25) CCC 1115
0201	Stacy Kosko W 3:30pm - 4:45pm	Seats (Total: 25) CCC 1115
0301	Stacy Kosko Tu 3:30pm - 4:48pm	Seats (Total: 25) CCC 1115

CPSP118T **College Park Scholars Colloquium I; Science, Technology, and Society**

CPSP118T College Park Scholars Colloquium I: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn M 3:30pm - 4:50pm	Seats (Total: 90) CCC 1205

CPSP218A **College Park Scholars Colloquium II; Arts**

CPSP218A College Park Scholars Colloquium II: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess Tu 6:00pm - 7:15pm	Seats (Total: 80) CCC 1100

CPSP218B **College Park Scholars Colloquium II; Business, Society, and the Economy**

CPSP218B College Park Scholars Colloquium II: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Business, Society, and the Economy.

0101	Mark Wellman Tu 5:00pm - 7:00pm	Seats (Total: 80) VMH 1333

CPSP218E **College Park Scholars Colloquium II; Environment, Technology and Economy.**

CPSP218E College Park Scholars Colloquium II: Environment, Technology and Economy.; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Econom y.

0101	Becky Archer, Tara Daniel, Rachel Steele W 5:00pm - 6:15pm Tu 2:00pm - 2:50pm	Seats (Total: 20) CCC 1100 CCC 1105	 Discussion
0102	Becky Archer, Rachel Steele, Tara Daniel W 5:00pm - 6:15pm W 5:00pm - 5:50pm	Seats (Total: 20) CCC 1100 CCC 1111	 Discussion
0103	Rachel Steele, Tara Daniel, Becky Archer W 5:00pm - 6:15pm W 6:00pm - 6:50pm	Seats (Total: 20) CCC 1100 CCC 1111	 Discussion

CPSP218G **College Park Scholars Colloquium II; Science and Global Change**

CPSP218G College Park Scholars Colloquium II: Science and Global Change; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Earth, Life, and Time.

0101	John Merck, Thomas Holtz M 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP218J **College Park Scholars Colloquium II; Media, Self, and Society**

CPSP218J College Park Scholars Colloquium II: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Tu 2:00pm - 3:20pm	Seats (Total: 80) CCC 1100

CPSP218L **College Park Scholars Colloquium II; Life Sciences**

CPSP218L *(PermReq)* **College Park Scholars Colloquium II: Life Sciences; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences. First lecture of the semester for all sections (including those listed as TBA) will meet on Tuesday, August 31, 2010 9 from 400pm-600pm in BPS 1243.

0101	Rebecca Kenemuth, Tammatha O'Brien, Reid Compton Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1176
0201	Rebecca Kenemuth, Bonnie Dixon, Reid Compton Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0301	Rebecca Kenemuth, Irwin Forseth, Reid Compton Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1172
0401	Rebecca Kenemuth, Reid Compton Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1164

CPSP218P **College Park Scholars Colloquium II; Public Leadership**

CPSP218P College Park Scholars Colloquium II: Public Leadership; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Jennifer Littlefield Tu 3:30pm - 4:45pm	Seats (Total: 25) TLF 1103
0201	Jennifer Littlefield W 2:00pm - 3:15pm	Seats (Total: 25) TLF 1103
0301	Jennifer Littlefield W 3:30pm - 4:45pm	Seats (Total: 25) KEY 0103

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. *Prerequisite: An [SB] CORE course and admission to College Park Scholars Program.* Capstone course for College Park Scholars - Science, Technology, and Society Program. Exploration and understanding of ways science and technology shape and are shaped by society. Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn, John Matthews TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105	
0201	Betsy Mendelsohn, Thomas Zeller MWF 9:00am - 9:50am	Seats (Total: 20) CCC 1105	

CPSP229D **Supervised Online Communication Practicum; Science, Discovery, and the Universe**

CPSP229D Supervised Online Communication Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm Th 4:00pm - 5:15pm	Seats (Total: 20) CCC 1205 CSS 1248	 Discussion

CPSP239A **Individual Practicum; ARTS**
Contact department for information to register for this course.

CPSP239D **Individual Practicum; Science, Discovery, and the Universe**

CPSP239D Individual Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller W 4:30pm - 6:10pm	Seats (Total: 55) CCC 1205

CPSP239J **Individual Practicum**
Contact department for information to register for this course.

CPSP239L **Individual Practicum**

CPSP239L Individual Practicum; (1 credit) Grade Method: REG.

0101	Reid Compton Contact instructor or department for details.	Seats (Total: 1)

CPSP239P **Individual Practicum; Individual Practicum**
Contact department for information to register for this course.

CPSP239T **Individual Practicum; Science, Technology, and Society**

CPSP239T Individual Practicum: Science, Technology, and Society; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars-Science, Technology, and Society.

0101	Betsy Mendelsohn Th 3:40pm - 5:00pm	Seats (Total: 15) CHS 1108
0102	Betsy Mendelsohn, Chrystal George Mwangi M 5:30pm - 7:00pm	Seats (Total: 20) CSS 2428

CPSP249A **Service-Learning; Arts**

CPSP249A Service-Learning: Arts; (1 credit) Grade Method: REG.

0101	Harold Burgess, Nicholas Cohen Contact instructor or department for details.	Seats (Total: 15)

CPSP249D **Service-Learning; Science, Discovery, and the Universe**

CPSP249D Service-Learning: Science, Discovery, and the Universe; (2 credits)
Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller W 4:30pm - 6:10pm	Seats (Total: 25) CCC 1205

CPSP249L **Service-Learning; Life Sciences**

CPSP249L Service-Learning: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP249T **Service-Learning; Science, Technology, and Society**

CPSP249T Service-Learning: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn, William Evans	Seats (Total: 12)
	W 3:40pm - 5:00pm	PAC 1108
0201	Betsy Mendelsohn	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP259C **Discovery Projects Research; Advocacy and Child Policy**

CPSP259C Discovery Projects Research: Advocacy and Child Policy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Advocates for Children.

0101	Karen Inkelas	Seats (Total: 80)
	W 3:30pm - 4:50pm	CCC 1100

CPSP259D **Discovery Projects Research; Science, Discovery, and the Universe**

CPSP259D Discovery Projects Research: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller	Seats (Total: 10)
	W 4:30pm - 5:50pm M 4:30pm - 5:50pm	CCC 1205 CBD 1140

CPSP259J **Discovery Projects Research; Media, Self, and Society**
Contact department for information to register for this course.

CPSP318B	**College Park Scholars Colloquium III; Business, Society and Economics** **Contact department for information to register for this course.**
CPSP339	**Advanced Practicum** **Contact department for information to register for this course.**
CPSP339A	**Advanced Practicum; Arts** **Contact department for information to register for this course.**
CPSP339B	**Advanced Practicum; Business, Society, and the Economy** **Contact department for information to register for this course.**
CPSP339D	**Advanced Practicum; Science, Discovery, and the Universe** **Contact department for information to register for this course.**
CPSP339E	**Advanced Practicum; Environment, Technology and Economy.** **Contact department for information to register for this course.**
CPSP339G	**Advanced Practicum; Science and Global Change** **Contact department for information to register for this course.**
CPSP339J	**Advanced Practicum; Media, Self, and Society** **Contact department for information to register for this course.**
CPSP339L	**Advanced Practicum; Life Sciences** **Contact department for information to register for this course.**
CPSP339N	**Advanced Practicum; International Studies** **Contact department for information to register for this course.**
CPSP339P	**Advanced Practicum; Public Leadership** **Contact department for information to register for this course.**
CPSP369	**Guided College Park Scholars Teaching** **Contact department for information to register for this course.**
CPSP369A	**Guided College Park Scholars Teaching; Arts** **Contact department for information to register for this course.**

CPSP369B	**Guided College Park Scholars Teaching; Business, Society, and the Economy** **Contact department for information to register for this course.**
CPSP369C	**Guided College Park Scholars Teaching; Advocates for Children** **Contact department for information to register for this course.**
CPSP369D	**Guided College Park Scholars Teaching; Science, Discovery, and the Universe** **Contact department for information to register for this course.**
CPSP369E	**Guided College Park Scholars Teaching; Environment, Technology and Economy** **Contact department for information to register for this course.**
CPSP369G	**Guided College Park Scholars Teaching; Science and Global Change** **Contact department for information to register for this course.**
CPSP369J	**Guided College Park Scholars Teaching; Media, Self, and Society** **Contact department for information to register for this course.**
CPSP369L	**Guided College Park Scholars Teaching; Life Sciences** **Contact department for information to register for this course.**
CPSP369N	**Guided College Park Scholars Teaching; International Studies** **Contact department for information to register for this course.**
CPSP369P	**Guided College Park Scholars Teaching; Public Leadership** **Contact department for information to register for this course.**
CPSP369T	**Guided College Park Scholars Teaching; Science, Technology, and Society** **Contact department for information to register for this course.**

DANC Dance Fall 2010

DANC102	**Rhythmic Training for Dance**

DANC102 *(PermReq)* **Rhythmic Training for Dance; (2 credits)** Grade Method: REG/P-F/AUD.
Restricted to DANC majors. All other majors will require permission. Basic approaches to rhythmic principles related to dance. Offered fall only.

0101	Isiah Johnson TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1908	 Lab

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: by permission of department.

0101	Sharon Mansur TuTh 11:00am - 12:15pm	Seats (Total: 25) PAC 1912	 Lab

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0101	Florian Rouiller TuTh 11:00am - 12:15pm	Seats (Total: 30) PKT 2102	 Lab
0102	Florian Rouiller TuTh 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	 Lab
0103	Shannon Dooling TuTh 2:00pm - 3:15pm	Seats (Total: 30) PKT 2102	 Lab

DANC138W **Introduction to Ethnic Dance; West African Dance**

DANC138W Introduction to Ethnic Dance: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Kwame Opare TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1912	 Lab
0102	Kwame Opare TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1912	 Lab

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Valerie Durham MW 9:30am - 10:45am	Seats (Total: 30) PAC 1912	Lab
0102	Lauren Withhart MW 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610	Lab
0103	Nathan Andary TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1610	Lab
0104	Graham Brown TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1610	Lab
0105	Emily Oleson TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1610	Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Graham Brown TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**
Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms. Lecture/discussion only - no studio activity.

0101	Emily Oleson TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0108

0201	Valerie Durham TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 0108	
0301	Lauren Withhart TuTh 2:00pm - 3:15pm	Seats (Total: 35) HBK 0108	
0401	Nathan Andary TuTh 3:30pm - 4:45pm	Seats (Total: 35) HBK 0108	

DANC200S **Introduction to Dance**

DANC200S Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Restricted to College Park Scholars - Arts.

0201	Valerie Durham TuTh 12:30pm - 1:45pm	Seats (Total: 15) HBK 0108	

DANC208 **Choreography I**

DANC208 Choreography I; (3 credits) Grade Method: REG/P-F/AUD. Prerequisites: DANC 102 and DANC 109. Dance majors or by permission of the department only.

0101	Alvin Mayes MWF 2:00pm - 3:20pm	Seats (Total: 12) PAC 1912	Lab

DANC210 **Dance Production**

DANC210 Dance Production; (3 credits) Grade Method: REG/P-F/AUD.
A survey of theatre crafts and techniques involved in dance production, including lighting, sound, set and costume design and construction, stage-management and videotaping.

0101	Paul Jackson WF 3:30pm - 4:50pm M 3:30pm - 4:50pm	Seats (Total: 15) PAC 1924 PAC 1610	Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 27)	
	TuTh 9:30am - 10:45am	PAC 1908	Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1908	Lab

DANC248 **Modern Dance I**

DANC248 *(PermReq)* **Modern Dance I; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: dance major standing or permission of department.

0101	Adriane Fang	Seats (Total: 17)	
	MWF 11:00am - 12:20pm	PAC 1610	Lab

DANC249 **Modern Dance II**

DANC249 *(PermReq)* **Modern Dance II; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: DANC248 or permission of department.

0101	Adriane Fang	Seats (Total: 8)	
	MWF 11:00am - 12:20pm	PAC 1610	Lab
0102	Alvin Mayes	Seats (Total: 17)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**
Contact department for information to register for this course.

DANC308 **Choreography II**

DANC308 Choreography II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite DANC 208. Dance majors or permission of department required.

0101	Sharon Mansur	Seats (Total: 14)	
	MWF 3:30pm - 4:50pm	PAC 1912	Lab

DANC328 **Ballet III**

DANC328 *(PermReq)* **Ballet III; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV**

DANC329 *(PermReq)* **Ballet IV; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC348 **Modern Dance III**

DANC348 *(PermReq)* **Modern Dance III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Alvin Mayes	Seats (Total: 8)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab
0102	Patrik Widrig	Seats (Total: 11)	
	MWF 12:30pm - 1:50pm	PAC 1912	Lab

DANC349 **Modern Dance IV**

DANC349 *(PermReq)* **Modern Dance IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Patrik Widrig	Seats (Total: 14)	
	MWF 12:30pm - 1:50pm	PAC 1912	Lab

DANC370 **Kinesiology for Dancers**

DANC370 Kinesiology for Dancers; (4 credits) Grade Method: REG/P-F/AUD.
For DANC majors only. A study of the biological and physical principles of movement and the effects of dancing upon the structure and function of the human body.

0101	Sharon Mansur	Seats (Total: 22)	
	MWF 9:00am - 10:45am	PAC 1908	

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC388 **Choreography III**

DANC388 Choreography III; (3 credits) Grade Method: REG/P-F/AUD.
Dance majors or by the permission of the department only.

0101	Adriane Fang	Seats (Total: 10)	
	TuTh 3:30pm - 4:45pm	PAC 1908	Lab

DANC398 **Directed Studies in Dance**
Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**
Contact department for information to register for this course.

DANC410 **Technical Theater Production for Dance**

DANC410 Technical Theater Production for Dance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC210 or equivalent; or permission of department. A study of the theoretical principles of production and the practical application of those principles to the presentation of dance works.

0101	Paul Jackson	Seats (Total: 5)	
	TBA	PAC 1810	

DANC448 **Modern Dance V**

DANC448 Modern Dance V; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC 349 and aududition.

0101	Adriane Fang	Seats (Total: 10)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 Modern Dance VI; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC 448 and permission from the department

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC479 **Advanced Practicum in Dance**

DANC479 Advanced Practicum in Dance; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Patrik Widrig	Seats (Total: 1)
	Contact instructor or department for details.	
0102	Sara Pearson	Seats (Total: 1)
	Contact instructor or department for details.	

DANC483 **History of Dance II**

DANC483 History of Dance II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC200. The development of dance from the Renaissance period to the present time and the relationship of dance forms to patterns of culture.

0101	Miriam Phillips	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 1809

DANC489R **Special Topics in Dance**

DANC489R *(PermReq)* **Special Topics in Dance; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: Permission of Department and audition.

0101	Patrik Widrig	Seats (Total: 12)	
	MW 5:30pm - 7:30pm	PAC 1912	

DANC499 **Practicum in Choreography, Production and Performance IV**
Contact department for information to register for this course.

DANC600 **Introduction to Graduate Studies in Dance**

DANC600 Introduction to Graduate Studies in Dance; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Supervised writing of reports and articles on selected dance subjects. Study of library resources and interviewing techniques. Preparation for written documentation of thesis project.

0101	Miriam Phillips	Seats (Total: 5)	
	MW 9:30am - 10:45am	PAC 1924	

DANC608 **Choreography I; Choreography I**

DANC608 Choreography I: Choreography I; (3 credits) Grade Method: REG/AUD. Prerequisite: Admission to MFA in Dance or permission of department. Developing and defining individual choreographic voice and vision in a s ared studio setting.

0101	Sara Pearson	Seats (Total: 5)	
	MW 3:30pm - 5:00pm	PAC 1908	Lab

DANC610 **Workshop in the Direction of Dance Production**

DANC610 Workshop in the Direction of Dance Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: DANC 410 or equivalent. A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.

0101	Paul Jackson	Seats (Total: 5)	
	MW 12:30pm - 1:45pm	PAC 1924	Lab

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC689R **Special Topics in Dance**

DANC689R *(PermReq)* **Special Topics in Dance; (1-3 credits)** Grade Method: REG/AUD.
Prerequisites: Permission of Department and audition.

0101	Patrik Widrig	Seats (Total: 2)
	MW 5:30pm - 7:30pm	PAC 1912

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC719 **Choreographic Project**

DANC719 Choreographic Project; (3 credits) Grade Method: REG/AUD. Prerequisite: Admission to MFA in Dance or permission of department. Research-based choreographic projects in preparation for the choreographed thesis project.

0101	Adrienne Clancy	Seats (Total: 5)
	W 3:30pm - 4:45pm	PAC 1610
	F 3:30pm - 4:45pm	PAC 1610

DANC766 **Movement Observation and Analysis**

DANC766 Movement Observation and Analysis; (2 credits) Grade Method: REG/AUD.
Prerequisite: Admission to MFA in Dance or permission of department. Aspects of cultural and nonverbal analysis, developmental movement, kinesiological analysis, Laban Movement Analysis, with the goal of developing the student/teacher's ability to observe macro and micro levels of detail.

0101	Miriam Phillips MW 11:00am - 12:15pm	Seats (Total: 5) PAC 1611

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD.

0101	Patrik Widrig Contact instructor or department for details.	Seats (Total: 1)
0201	Sara Pearson Contact instructor or department for details.	Seats (Total: 2)
0301	Anne Warren Contact instructor or department for details.	Seats (Total: 2)
0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 2)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 2)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 2)

0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 2)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 2)

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EALL East Asian Languages and Literatures Fall 2010

EALL300 **The Languages of East Asia**

EALL300 The Languages of East Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
A survey of Chinese, Japanese, and Korean, and the languages of other East Asian nationalities. Provides a basic understanding of the structures of these languages. Topics covered include the characterizing features; the relationships of the languages to each other; the geographical, social, and historical settings. No knowledge of Asian languages is required. Taught in English.

0101	Samuel Ramsey MW 3:00pm - 4:15pm	Seats (Total: 30) JMZ 2122

ECON Economics Fall 2010

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

2101	Robert Schwab TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2102	Robert Schwab TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2103	Robert Schwab TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3203	Discussion
2104	Robert Schwab TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2105	Robert Schwab TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2106	Robert Schwab TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2107	Robert Schwab TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2108	Robert Schwab TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 MMH 3418	Discussion
2109	Robert Schwab TuTh 11:00am - 12:15pm F 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 0111	Discussion
2110	Robert Schwab TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 0102	Discussion

2111	Robert Schwab TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 HBK 1112	Discussion
2112	Robert Schwab TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ASY 3207	Discussion
2113	Robert Schwab TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2114	Robert Schwab TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 LEF 1201	Discussion
2201	Robert Schwab TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2202	Robert Schwab TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 ASY 3203	Discussion
2203	Robert Schwab TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2204	Robert Schwab TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 HBK 0108	Discussion
2205	Robert Schwab TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2206	Robert Schwab TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion

2207	Robert Schwab TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ASY 3207	 Discussion
2208	Robert Schwab TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 0111	 Discussion
2209	Robert Schwab TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 KNI 1103	 Discussion
2210	Robert Schwab TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 0111	 Discussion
2211	Robert Schwab TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2212	Robert Schwab TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2213	Robert Schwab TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3207	 Discussion
2214	Robert Schwab TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2301	Naveen Sarna TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1108	 Discussion
2302	Naveen Sarna TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 BPS 1228	 Discussion

2303	Naveen Sarna TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 0102	Discussion
2304	Naveen Sarna TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 MMH 3418	Discussion
2305	Naveen Sarna TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 KEY 0123	Discussion
2306	Naveen Sarna TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ARM 0116	Discussion
2307	Naveen Sarna TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2308	Naveen Sarna TuTh 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 1101	Discussion
2309	Naveen Sarna TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 KEY 0120	Discussion
2310	Naveen Sarna TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 JMZ 0103	Discussion
2311	Naveen Sarna TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 COL 0102	Discussion
2312	Naveen Sarna TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 MMH 3418	Discussion

2313	Naveen Sarna TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 HJP 1125	Discussion
2314	Naveen Sarna TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 BPS 0283	Discussion
FC01	Michael Nicholson MW 7:30pm - 8:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 HBK 0109	Discussion
FC02	Michael Nicholson MW 7:30pm - 8:45pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 HBK 0109	Discussion
FC03	Michael Nicholson MW 7:30pm - 8:45pm F 12:00pm - 12:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 HBK 0109	Discussion
FC04	Michael Nicholson MW 7:30pm - 8:45pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 HBK 0109	Discussion
FC05	Michael Nicholson MW 7:30pm - 8:45pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 HBK 0103	Discussion
FC06	Michael Nicholson MW 7:30pm - 8:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SKN 0200 TWS 1106	Discussion

ECON201 Principles of Macro-Economics

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Credit will be granted for only one of the following: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

0101	John Neri	Seats (Total: 400)	
	MW 2:00pm - 3:15pm	TYD 0130	
	F 1:00pm - 1:50pm	TYD 0130	Discussion
2001	Sandra Hadler	Seats (Total: 250)	
	TuTh 2:00pm - 3:15pm	SKN 0200	
	F 10:00am - 10:50am	SKN 0200	Discussion

ECON300 **Methods and Tools for Economic Analysis**

ECON300 *(PermReq)* **Methods and Tools for Economic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: By permission with ECON200, ECON201, and {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only and permission of department. Not open to students who have completed MATH240 or MATH241. Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Erkut Ozbay	Seats (Total: 31)	
	TuTh 2:00pm - 2:50pm	ASY 2203	
	F 9:00am - 9:50am	TYD 1132	Discussion
0102	Erkut Ozbay	Seats (Total: 31)	
	TuTh 2:00pm - 2:50pm	ASY 2203	
	F 12:00pm - 12:50pm	TYD 1108	Discussion
0103	Erkut Ozbay	Seats (Total: 31)	
	TuTh 2:00pm - 2:50pm	ASY 2203	
	F 10:00am - 10:50am	TYD 2102	Discussion

0104	Erkut Ozbay TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 TYD 2110	Discussion
0105	Erkut Ozbay TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 COL 0102	Discussion
0106	Erkut Ozbay TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 31) ASY 2203 KEY 0116	Discussion
0201	Justin Burkett MW 11:00am - 12:15pm	Seats (Total: 40) TYD 0102	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON325. ECON majors are required to take ECON325. Credit will be granted for only one of the following: ECON305 or ECON325. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	John Neri MW 3:30pm - 4:45pm	Seats (Total: 260) ARM 0126	

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: (ECON200 or AREC250), ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON326. ECON majors are required to take ECON326. Credit will be granted for only one of the following: ECON306 or ECON326. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Peter Coughlin TuTh 3:30pm - 4:45pm	Seats (Total: 260) SKN 0200

ECON310 **European Economic History**
Contact department for information to register for this course.

ECON311 **American Economic History Before the Civil War**

ECON311 American Economic History Before the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201.. For ECON majors only. Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0201	John Wallis TuTh 12:30pm - 1:45pm	Seats (Total: 110) JMZ 0105

ECON314 **Economic History, Development and Policy**
Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

ECON315 Economic Development of Underdeveloped Areas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201. Credit will be granted for only one of the following: ECON315 or ECON416. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

SG91	Sandeep Singh W 2:00pm - 4:40pm	Seats (Total: 40) BLD2 3022
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Gove.	

ECON317 **Global Economic Policies**

ECON317 Global Economic Policies; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201. For ECON majors only or by permission of department. Credit will be granted for only one of the following: ECON398C or ECON317. Formerly ECON398C.* Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0111
0201	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111
0301	Sandra Hadler TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2102
0401	Sandra Hadler TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0101

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200, ECON201, {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only. Not open to students who have completed BMGT230 or BMGT231 (unless with department permission). Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Alka Gandhi TuTh 12:30pm - 1:45pm	Seats (Total: 200) ARM 0126
0201	Alka Gandhi TuTh 11:00am - 12:15pm	Seats (Total: 40) ARM 0112

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON305 (not accepted for major requirements) or ECON325. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Sadik Aruoba MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 TYD 1108	Discussion
0102	Sadik Aruoba MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 HBK 1112	Discussion
0103	Sadik Aruoba MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 HJP 1125	Discussion
0104	Sadik Aruoba MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) JMZ 0220 HBK 0108	Discussion
0105	Sadik Aruoba MW 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 30) JMZ 0220 TYD 1114	Discussion
0106	Sadik Aruoba MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 30) JMZ 0220 TYD 1101	Discussion
0201	Sanjay Chugh TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0117 MTH 0411	Discussion
0202	Sanjay Chugh TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0117 MTH 0411	Discussion

0203	Sanjay Chugh TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 MTH 0307	 Discussion

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON306 (not accepted for major requirements) or ECON326. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asysmetric information.

0101	Ginger Jin MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0135 ARM 0103	 Discussion
0102	Ginger Jin MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0135 BPS 1228	 Discussion
0103	Ginger Jin MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) ARM 0135 TYD 1132	 Discussion
0104	Ginger Jin MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARM 0135 TYD 1132	 Discussion
0105	Ginger Jin MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) ARM 0135 LEF 1220	 Discussion
0106	Ginger Jin MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) ARM 0135 LEF 1220	 Discussion

0107	Ginger Jin MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) ARM 0135 TYD 1102	Discussion
0108	Ginger Jin MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARM 0135 TYD 0101	Discussion
0109	Ginger Jin MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0135 TYD 1108	Discussion
0201	Octavian Carare MW 9:30am - 10:45am	Seats (Total: 40) TYD 1101	

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri MW 5:15pm - 6:30pm	Seats (Total: 360) TYD 0130	
SG91	Songhua Lin F 10:00am - 12:40pm	Seats (Total: 180) BLD1 134	
	Restricted to BMGT- Shady Grove majors. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

ECON340 **International Economics**

ECON340 International Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201. Credit will be granted for only one of the following: ECON340 or ECON441.* Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

SG91	Seyitali Erbas MW 11:00am - 12:15pm	Seats (Total: 50) BLD3 3230
	Restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Seyitali Erbas MW 12:30pm - 1:45pm	Seats (Total: 50) BLD3 3230
	Restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Seyitali Erbas MW 2:00pm - 3:15pm	Seats (Total: 50) BLD3 3230
	Restricted to BMGT- Shady Grove majors with 86 credits. Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON375 **Economics of Poverty and Discrimination**

ECON375 Economics of Poverty and Discrimination; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisites: (ECON200 and ECON201) or ECON205. The causes of the persistence of low income groups; the relationship of poverty to technological change, to economic growth, and to education and training; economic results of discrimination; proposed remedies for poverty and discrimination.

0101	Jessica Todd MW 8:00am - 9:15am	Seats (Total: 40) TYD 1132

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON200, ECON201, and cumulative GPA > 2.75; and permission of department. Junior standing. For ECON majors only. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON396 **Independent Honors Study**

ECON396 *(PermReq)* **Independent Honors Study; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON422 and permission of department. Normally taken in senior year. Course will explore selected topics in economic theory and its application in depth. Analysis of methodologies in economic research and the development of student skills in research methods. Students will prepare workshop papers.

0101	Carlos Vegh	Seats (Total: 25)
	Tu 2:00pm - 4:45pm	JMZ 1122

ECON397 **Honors Thesis**
Contact department for information to register for this course.

ECON398 **Topics in Economics**
Contact department for information to register for this course.

ECON398A **Topics in Economics; Cost Benefit Analysis**

ECON398A Topics in Economics: Cost Benefit Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321, ECON325, and ECON326. For ECON majors only. See Dept. Advising Office for course description.

0101	Ephraim Leibtag	Seats (Total: 40)
	MW 3:30pm - 4:45pm	TYD 1101

ECON398H **Topics in Economics; British Economy and Financial System**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial Systems**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Analysis of current economic problems and public policies. Inflation, unemployment, market power, government regulation, poverty and distribution of income, federal budget and tax policy, environment.

0101	John Sabelhaus	Seats (Total: 40)
	TuTh 5:00pm - 6:15pm	TYD 1102

ECON412 **Economic History and Modern Development**

ECON412 Economic History and Modern Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON306 and ECON305 by permission). For ECON majors only. Analysis of major economic, political, and social change in the developed world since 1800. This includes factors contributing to increases in economic performance, changes in the form of government, technological change (including industrialization), and integration and disintegration of the global economy. Emphasis is on institional changes in how societies organize economic and political activities.

0101	Alka Gandhi	Seats (Total: 40)
	TuTh 8:00am - 9:15am	TYD 0111

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed GVPT399A. Credit will be granted for only one of the following: ECON414 or GVPT399A. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Randy Chugh TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 (or ECON305 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Kahwa Douoguih, Raymond Guiteras TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0111
0201	Raymond Guiteras, Kahwa Douoguih TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1101
0301	Raymond Guiteras, Kahwa Douoguih TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1114

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 (or STAT400) with a grade of 'C' (2.0) or better. For ECON majors only. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Razvan Vlaicu WF 11:00am - 12:15pm	Seats (Total: 38) JMP 1202
0201	Maureen Cropper MW 2:00pm - 3:15pm	Seats (Total: 60) TYD 2106
0301	Yasin Mimir TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2111

ECON423 **Econometrics II**

ECON423 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON422 and permission of department. For ECON majors only.
Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.

0101	Pablo D'Erasmo MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2108

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 (or ECON305 and ECON306 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only.
Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	Salih Fendoglu MW 2:00pm - 3:15pm *This section will meet in computer labs 3 and 4 in LeFrak.*	Seats (Total: 38) Location: TBA
0201	Paul Bailey TuTh 9:30am - 10:45am	Seats (Total: 36) PLS 1129

ECON441 **Theory of International Economics**

ECON441 Theory of International Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON305 and ECON306 by permission of department). For ECON majors only. Not open to students who have completed ECON340. Credit will be granted for only one of the following: ECON340 or ECON441. Theoretical treatment of international trade and international finance. Includes Ricardian and Heckscher-Ohlin theories of comparative advantage, analysis of tariffs and other trade barriers, international factor mobility, balance of payments adjustments, exchange rate determination, and fiscal and monetary policy in an open economy.

0101	Songhua Lin TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1101

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1114

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Baschnagel TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 2117
0201	Charles Hulten MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only.* Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy.

0101	Octavian Carare MW 12:30pm - 1:45pm	Seats (Total: 40) TYD 2108
0201	Giorgo Sertsios TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 0117
0301	Octavian Carare MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2102

ECON461 **Economics of Regulation and Anti-trust**

ECON461 Economics of Regulation and Anti-trust; (3 credits) Grade Method: REG.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON398R or ECON461. Formerly ECON398R. Considers government intervention in economic activity of three types: antitrust policy, regulation of natural monopolies, and health safety regulation. Covers theoretical models, real-world policy applications, and empirical studies relevant to the impact of regulation.

0101	Cindy Clement MWF 10:00am - 10:50am	Seats (Total: 40) TYD 1132
0201	Cindy Clement MWF 12:00pm - 12:50pm	Seats (Total: 40) TYD 1101

ECON465 **Health Care Economics**

ECON465 Health Care Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Analysis of health care, the organization of its delivery and financing. Access to care; the role of insurance; regulation of hospitals, physicians, and the drug industry; role of technology; and limits on health care spending.

0101	John Sabelhaus MW 5:00pm - 6:15pm	Seats (Total: 40) TYD 1102	

ECON470 **Theory of Labor Economics**

ECON470 Theory of Labor Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON370 or ECON470. An analytical treatment of theories of labor markets. Marginal productivity theory of labor demand; allocation of time in household labor supply models; theory of human capital; earnings differentials; market structure and the efficiency of labor markets; the role of trade unions; discrimination; and unemployment.

0201	Soohyung Lee TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2108	
0202	Soohyung Lee TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1132	

ECON601 **Macroeconomic Analysis I**

ECON601 *(PermReq)* **Macroeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Introductory technical treatment of standard Keynesian, classical and new classical macroeconomic models. Expectations formation and microeconomic foundations of consumption, investment, money demand, and labor market behavior.

0101	Sanjay Chugh, Allan Drazen MW 9:30am - 10:45am M 5:00pm - 6:45pm	Seats (Total: 25) TYD 1114 TYD 1114	 Discussion

ECON603 **Microeconomic Analysis I**

ECON603 *(PermReq)* **Microeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. A detailed treatment of the theory of the consumer and of the firm, particularly emphasizing the duality approach. Topics include the household production model, imperfect competition, monopolistic and oligopolistic markets.

0101	Lawrence Ausubel, Emel Filiz Ozbay	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	TYD 2111	
	Th 3:30pm - 5:15pm	TYD 1132	Discussion
0201	Emel Filiz Ozbay, Lawrence Ausubel	Seats (Total: 35)	
	TuTh 11:00am - 12:15pm	TYD 1114	
	F 12:00pm - 1:45pm	TYD 2111	Discussion

ECON623 **Econometrics I**

ECON623 *(PermReq)* **Econometrics I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Advanced knowledge of probability and statistics, linear algebra, and permission of department. Specification, estimation, hypothesis testing and prediction in the classical and generalized linear regression model. Topics include: ordinary least squares, generalized least squares, instrumental variableestimation, quantile regression, finite and large sample analysis and general testing principles including misspecification tests. The course will also provide instructions on the use of a major statistical packagesuch as Stata or TSP.

0101	John Rust, John Chao	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	TYD 2110	
	Th 5:30pm - 7:15pm	TYD 2106	Discussion

ECON626 **Empirical Microeconomics**

ECON626 *(PermReq)* **Empirical Microeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON622, ECON624, or ECON721. For ECON majors only. To provide students with the opportunity to use empirical techniques that are particularly valuable in the analysis of microeconomic data. Topics include panel data, nonlinear optimization, limited dependent variables, truncated, censored, selected samples, the analysis of natural experiments, and quantile regressions. This course will emphasize hands-on practical experience.

0101	Raymond Guiteras	Seats (Total: 30)	
	MW 11:00am - 12:15pm	TYD 2102	
	F 4:00pm - 5:45pm	TYD 2111	Discussion

ECON630 **Computational Methods in Macroeconomics**

ECON630 *(PermReq)* **Computational Methods in Macroeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON601 and ECON602. ECON majors only and non-ECON major by permission of department. Essential computational methods used in macroeconomics. There will be particular focus on approximating the solution to dynamic stochastic general equilibrium models. Methods for representative-agent and heterogeneous-agent models will be extensively studied. Econometric methods such as Generalized Method of Moments, Maximum Likelihood, Vector Autoregressions wil also be covered.

0101	Pablo D'Erasmo, Sadik Aruoba	Seats (Total: 12)
	MW 9:30am - 10:45am	Location: TBA

ECON652 **Public Economics I**

ECON652 Public Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 604 and ECON 621; or ECON 624. The characteristics and effects of government programs whose role is redistribution and social insurance are considered. Examples include cash welfare assistance, unemployment insurance, and Social Security. The focus is on U.S. programs, though other countries may be considered. Both theories of program design and empirical research on program effects will be covered. Topics in empirical methodology generally will also be stressed.

0101	Mark Duggan TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 0101

ECON662 **Theories of Industrial Organization**

ECON662 Theories of Industrial Organization; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON603 and ECON604. Classical theories of industry organization are analyzed. Topics include monopoly price discrimination, product differentiation and bundling as well as traditional oligopoly models of Cournot and Bertrand are examined. Dynamic models of oligopoly including entry deterrence and collusion are discussed in addition to games of research and development. Long-run industry structures and dynamics are also analyzed. Also investigates implications of these models for antitrust policy.

0101	Daniel Vincent TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 2109

ECON681 **Comparative Institutional Economics I**

ECON681 Comparative Institutional Economics I; (3 credits) Grade Method: REG/AUD.
Theory, empirics, and practice of economic institutions. Genesis, functions, and effects of institutions. Examinations of three major institutions, property, contract, and decentralization. Historical, cultural, political, and economic origins of institutions. Case studies from English history, comparative legal studies, China, history of world economic development, transition, and socialism. Perspectives from law and economics, contract theory, and information theory.

0101	Peter Murrell TuTh 11:00am - 12:15pm	Seats (Total: 20) TYD 2110

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON701 **Advanced Macroeconomics I**

ECON701 Advanced Macroeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON 601; and ECON 602.* Recent developments in macroeconomics with an emphasis on topics and techniques useful for conducting research in macroeconomics. Topics include advanced treatment of fiscal and monetary policy issues; the role of imperfect competition; real, sectoral and nominal business cycle models.

0101	Sanjay Chugh TuTh 9:30am - 10:45am	Seats (Total: 25) TYD 1132

ECON703 **Advanced Microeconomics I**

ECON703 Advanced Microeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisites: ECON 603 and ECON 604.* Formal treatment of game theory and its microeconomic applications are presented, emphasizing dynamics and information. Equilibrium concepts for static and dynamic games, and games with complete and incomplete information are studied. Topics also discussed: mechanism design, efficiency, reputations, signaling, and screening.

0101	Peter Cramton TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0111

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Soohyung Lee MW 12:30pm - 1:45pm	Seats (Total: 15) TYD 0111
0201	Emel Filiz Ozbay MW 9:00am - 10:15am	Seats (Total: 15) TYD 0101
0301	Ingmar Prucha TuTh 11:00am - 12:15pm	Seats (Total: 15) Location: TBA
0401	Peter Coughlin MW 11:00am - 12:15pm	Seats (Total: 15) Location: TBA

0501	John Chao MW 8:00am - 9:15am	Seats (Total: 15) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Pablo D'Erasmo TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0201	Charles Hulten TuTh 8:00am - 9:15am	Seats (Total: 15) TYD 1101
0301	Peter Coughlin MW 10:00am - 11:15am	Seats (Total: 15) Location: TBA
0401	Razvan Vlaicu TuTh 8:00am - 9:15am	Seats (Total: 10) TYD 1102
0501	Anton Korinek MW 10:00am - 11:15am	Seats (Total: 15) TYD 1118

ECON721 **Econometrics III**

ECON721 Econometrics III; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 624 or permission of department. Oriented towards macro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, nonlinear time series models, exogeneity and causality, non-stationary time series models (unit roots, co-integration, error correction models, vector autoregressive models), econometric models of volatility (ARCH and GARCH models, and Stochastic volatility models), rational expectations models, non-stationary panel data models, tests for structural change, Bayesian econometrics and methods for Bayesian computation.

0101	John Chao TuTh 5:00pm - 6:15pm	Seats (Total: 20) KEY 0124

ECON741 **Advanced International Economics I**

ECON741 Advanced International Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 601 or permission of department. Exchange rate determination; exchange rate regimes; international monetary reform; policy conflict and cooperation; the LDC debt problem; pricing of international assets; balance of payments crises.

0101	Carlos Vegh W 5:30pm - 8:00pm	Seats (Total: 20) TYD 1132

ECON742 **Advanced International Economics II**

ECON742 Advanced International Economics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603 or permission of department. Comparative advantage, Heckscher-Ohlin theory, specific-factors model, empirical verification, economies of scale, imperfect competition, commercial policy, factor mobility.

0101	Nuno Limao TuTh 11:00am - 12:15pm	Seats (Total: 20) TYD 1118

ECON754 **Topics in Political Economy I**

ECON754 Topics in Political Economy I; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON602 and ECON604 or permission of department. Study of political determinants of macroeconomic outcomes. Time inconsistency in monetary and fiscal policy, political business cycles. Political models of redistribution, delay in reform, transition, growth, and international policymaking.

0101	Allan Drazen MW 2:00pm - 3:15pm	Seats (Total: 20) TYD 2110

ECON771 **Advanced Labor Economics: Theory and Evidence**

ECON771 Advanced Labor Economics: Theory and Evidence; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603, and (ECON 621, or ECON 624) or permission of department. Modern analytical and quantitative labor economics. Labor supply decisions of individuals and households; human capital model and distribution of income. Demand for labor; marginal productivity theory, imperfect information and screening. Interaction of labor demand and supply; unemployment; relative and absolute wages; macroeconomic aspects of the labor market.

0101	Judith Hellerstein MW 9:30am - 10:45am	Seats (Total: 20) TYD 2102

ECON785 **Advanced Economics of Natural Resources**

ECON785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604; and (ECON 621 or ECON 624). The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Erik Lichtenberg MW 12:30pm - 1:45pm	Seats (Total: 28) SYM 0209

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth; Workshop in Applied Economics**

ECON808 Workshop on Macroeconomics and Growth: Workshop in Applied Economics; (2 credits) Grade Method: S-F/AUD.

0101	John Haltiwanger W 3:30pm - 5:30pm	Seats (Total: 20) TYD 1108

0201	Pablo D'Erasmo W 3:30pm - 5:30pm	Seats (Total: 20) TYD 1118
0301	Anton Korinek W 3:30pm - 5:30pm	Seats (Total: 20) KEY 0124

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	Ingmar Prucha W 3:30pm - 5:30pm	Seats (Total: 20) EGR 3114

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 Workshop in International Development, and Comparative Economics; (2 credits) Grade Method: S-F/AUD.

0101	Nuno Limao M 3:30pm - 5:30pm	Seats (Total: 20) TYD 2111
0201	Razvan Vlaicu M 3:30pm - 5:30pm	Seats (Total: 20) KEY 0123

ECON868 **Workshop in Industrial Organization**

ECON868 Workshop in Industrial Organization; (2 credits) Grade Method: S-F/AUD.

0101	Erkut Ozbay Tu 3:30pm - 5:30pm	Seats (Total: 20) TYD 2106

ECON878 **Workshop in Labor Economics**

ECON878 Workshop in Labor Economics; (2 credits) Grade Method: S-F/AUD.

0101	John Wallis Th 3:30pm - 5:30pm	Seats (Total: 20) TYD 1118

0201	Soohyung Lee Th 3:30pm - 5:30pm	Seats (Total: 20) WDS 1130
0301	Robert Schwab Th 3:30pm - 5:30pm	Seats (Total: 20) TLF 1101

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Fall 2010

EDCI243 **Literature, Mass Media, and Schooling:The Formation of Group and Individual Identity**

EDCI243 Literature, Mass Media, and Schooling:The Formation of Group and Individual Identity; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
The role of literature, mass media, and schooling as mechanisms for social change and social continuation.

0101	Melissa Landa MW 12:30pm - 1:45pm	Seats (Total: 30) EDU 2119

EDCI280 **Looking Inside Schools and Classrooms**

EDCI280 Looking Inside Schools and Classrooms; (3 credits) Grade Method: REG.

An exploration of teaching in public schools, grades 1-12: student diversity, societal chagnes, and the expectations of teachers and public schools. Three hour per week field component. Two hours each week on campus with an arranged three hours each week in a local school off campus. Allow an appropriate amount of travel time to transition from your classes meeting on-campus and your off-campus experience.

0201	Lisa Bote Tu 12:30pm - 2:20pm Tu 8:00am - 11:00am	Seats (Total: 24) EDU 2121 Location: TBA	Lab
0202	Lisa Bote Tu 12:30pm - 2:20pm F 9:00am - 12:00pm	Seats (Total: 6) EDU 2121 Location: TBA	Lab
0301	Laura Yee Th 2:00pm - 3:50pm Th 9:00am - 12:00pm	Seats (Total: 24) EGR 0309 Location: TBA	Lab
0302	Laura Yee Th 2:00pm - 3:50pm W 12:00pm - 3:00pm	Seats (Total: 6) EGR 0309 Location: TBA	Lab

EDCI286 **Latino and Black Schooling: A History**

EDCI286 Latino and Black Schooling: A History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Victoria MacDonald TuTh 12:30pm - 1:45pm	Seats (Total: 60) TWS 1100

EDCI288D **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288D Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG.

0101	Tilahun Beyene	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI288F **Special Topics in Teacher Education; An Introduction to the Teaching of History in Elementary School**

EDCI288F Special Topics in Teacher Education: An Introduction to the Teaching of History in Elementary School; (1 credit) Grade Method: REG.
Meets every other week beginning September 2. "Doing" history is not a matter of memorizing. How historians' methods of investigation can be reflected in new ways of teaching the exciting historical process to elementary students.

0101	Kimberly Reddy	Seats (Total: 20)
	Th 2:00pm - 3:40pm	EDU 0202

EDCI288L **Special Topics in Teacher Education; exploring Teaching as a Career**

EDCI288L Special Topics in Teacher Education: exploring Teaching as a Career; (1 credit) Grade Method: REG.
Tuesday schedule TBA at 1st class, September 1.

0101	Erica Johnson, Kristin Hamilton	Seats (Total: 20)
	Meets September 7, 2010 - December 12, 2010	
	Tu 6:00pm - 8:45pm	ASY 3215

EDCI288O **Special Topics in Teacher Education; America Counts/America Reads**

EDCI288O Special Topics in Teacher Education: America Counts/America Reads; (1-2 credits) Grade Method: REG.

0101	Robin Black	Seats (Total: 30)
	Th 12:30pm - 1:45pm	JMZ 1120

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI305A **Curriculum and Instruction in Elementary Education Cluster**

EDCI305A *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 35)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 35)

EDCI305B **Curriculum and Instruction in Elementary Education Cluster**

EDCI305B *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 35)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 35)

EDCI322A **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322A *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI342; EDCI352; EDCI362; and EDCI372. For elementary education majors only.

0101	Lisa Eaker M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, EDCI488B-0101.*	Seats (Total: 0) EDU 2212
0201	Brianne Walsh W 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, 488B-0201.*	Seats (Total: 0) EDU 2121

EDCI322B **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322B *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI342; EDCI352; EDCI362; and EDCI372. For elementary education majors only. Teamed with EDCI 342B, 352B, 362B, 372B section 0101, 488B section 0301. For registration purposes, please refer to EDCI 305B.

0101	Lisa Eaker M 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342B, 352B, 362B, 372B-0101, 488B-0301.*	Seats (Total: 0) EDU 2121
0201	Kimberly Reddy Th 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI342B, 352B, 362B, 372B-0201, EDCI488B-0401.*	Seats (Total: 0) EDU 2212

EDCI342A **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342A *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI352; EDCI362; and EDCI372. For elementary education majors only. For registration purposes, please refer to EDCI 305A section 0101.

0101	John O'Flahavan M 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A-0101, 488B-0101.*	Seats (Total: 0) EDU 2119
0201	Melissa Landa W 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A-0201, 488B-0201.*	Seats (Total: 0) EDU 1121

EDCI342B **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342B *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI352; EDCI362; and EDCI372. For elementary education majors only. Teamed with EDCI 322B, 352B, 362B, 372B, and 488B-section 0301. For regi stration purposes, please refer to EDCI305B.

0101	Melissa Landa Tu 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-0101, 488B-0301.*	Seats (Total: 0) EDU 2119
0201	John O'Flahavan Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-0201, 488B-0401.*	Seats (Total: 0) EDU 2119

EDCI352A **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352A *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; permission of department. Corequisites: EDCI322; EDCI342; EDCI362; and EDCI372. For elementary education majors only.

0101	Lisa Bote Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A, and 488B-0101.*	Seats (Total: 0) EDU 2121
0201	Lisa Bote Th 8:00am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A-0201, 488B-0201.*	Seats (Total: 0) EDU 2121

EDCI352B **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352B *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; permission of department. Corequisites: EDCI322; EDCI342; EDCI362; and EDCI372. For elementary education majors only. For registration purposes, please refer to EDCI 305B- section 0101.

0101	Beatriz Quintos M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 362B, 372B-0101, EDCI 488B-0301.*	Seats (Total: 0) EDU 2121
0201	Lisa Bote Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A-0201, 488B-0401.*	Seats (Total: 0) EDU 2121

EDCI355 **Field Experience in Secondary Mathematics Education**

EDCI355 *(PermReq)* **Field Experience in Secondary Mathematics Education; (1 credit)** Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and six semester hours of 400-level mathematics courses. For education majors only. Practical experience as an aide to a regular secondary mathematics teacher; assigned responsibilities and participation in a variety of teaching/learning activities.

0101	John Seelke Contact instructor or department for details.	Seats (Total: 20)

EDCI362 **Curriculum and Instruction in Elementary Education: Reading**
Contact department for information to register for this course.

EDCI362A **Curriculum and Instruction in Elementary Education: Reading**

EDCI362A *(PermReq)* **Curriculum and Instruction in Elementary Education: Reading; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; and EDCI342; and EDCI352; and EDCI372. For elementary education majors only. Teamed with EDCI 322A, 342A, 352A, 372A, and 488B section 0201.

0101	Rose Codling M 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 372A, 488B-0101.*	Seats (Total: 0) EDU 2212
0201	Olivia Saracho W 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 372A, 488B-0201.*	Seats (Total: 0) EDU 2119

EDCI362B **Curriculum and Instruction in Elementary Education: Reading**

EDCI362B *(PermReq)* **Curriculum and Instruction in Elementary Education: Reading; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; and EDCI342; and EDCI352; and EDCI372. For elementary education majors only. Teamed with EDCI 322B, 342B, 352B, 372B section 0301 and EDCI488B section 0501.

0101	Jennifer Gray Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-0201, 488B-0301.*	Seats (Total: 0) EGR 2154
0201	Olivia Saracho Th 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-0201, 488B-0401.*	Seats (Total: 0) EDU 2119

EDCI372A **Curriculum and Instruction in Elementary Education: Science**

EDCI372A *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI342; EDCI352; EDCI362. For elementary education majors only.

0101	James McGinnis Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 362B-0301, 488B-0501.*	Seats (Total: 0) EDU 2212
0201	James McGinnis Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 362A, 488B-0201.*	Seats (Total: 0) EDU 2212

EDCI372B **Curriculum and Instruction in Elementary Education: Science**

EDCI372B *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI342; EDCI352; EDCI362. For elementary education majors only. Teamed with EDCI 322B, 342B, 352B, 362B section 0101 and 488B-section 0301. For registration purposes, please refer to EDCI 305B.

0101	William Holliday M 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 0) EDU 2212
0201	William Holliday Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI322B, 342B, 352B, 362B-0201, 488B-0401.*	Seats (Total: 0) EDU 2212

EDCI375 **Field Experience in Science Education**

EDCI375 Field Experience in Science Education; (1 credit) Grade Method: S-F. *Corequisite: EDCI470. For science education majors only.* This field experience course is designed to provide prospective teachers with knowledge of theory and best school practice relevant to effective pedagogy, current educational goals, and trends in educational assessment in a public school environment. Topics includes planning, instructional delivery, diversity and individual differences, classroom management, technology, and inclusion of students with special needs.

0101	Stacy Pritchett	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI385 **Computers for Teachers**

EDCI385 Computers for Teachers; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; and 2.5 GPA. For education majors only.* A first-level survey of instructional uses of computers, software, and related technology for preservice teachers.

0201	Ebony Shockley	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 1410
0301	Leslie Gates	Seats (Total: 20)
	M 4:15pm - 7:00pm	CSS 1410

EDCI400 **Field Experience in Art Education**

EDCI400 *(PermReq)* **Field Experience in Art Education; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisites: permission of department. For Art Education majors. Practical classroom experience in teaching/evaluating/exhibiting the products of art lessons. Six hours for field experience required. Times to be arranged with the instructor. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Susan Hendricks	Seats (Total: 10)
	Contact instructor or department for details.	

EDCI403 **Teaching Art Criticism and Aesthetics**

EDCI403 Teaching Art Criticism and Aesthetics; (3 credits) Grade Method: REG/P-F/AUD.
For art education majors only. Prerequisite: admission to teacher education program; 2.5 GPA; ARTH200 and ARTH201. Introduction to the teaching of art criticism and aesthetics in K-12 art education programs. Trips to galleries and museums.

0101	Margaret Walker	Seats (Total: 25)
	Th 9:00am - 12:00pm	EDU 1315

EDCI406 **Technology and Two-Dimensional Art**

EDCI406 *(PermReq)* **Technology and Two-Dimensional Art; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 GPA; ARTT210; and permission of department. Junior standing. A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs.

0101	Margaret Walker	Seats (Total: 19)	
	TuTh 1:00pm - 3:15pm Th 3:30pm - 5:00pm	EDU 1315 Location: TBA	Lab
	Lab portion meets for seven Thursdays from 3:30-5pm at Berwyn Heights Elementary School.		

EDCI410 **Methods I: K-12 Foreign Language Methods and Technology**

EDCI410 Methods I: K-12 Foreign Language Methods and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 G.P.A.; and permission of department. Not open to students who have completed EDCI330. Credit will be granted for only one of the following: EDCI330 or EDCI410. Formerly EDCI330. The first of two sequential courses required for achieving competence in teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories.

0101	Perla Blejer	Seats (Total: 15)
	MW 3:00pm - 4:15pm	EDU 2212

EDCI411 **Knowledge, Reasoning, and Learning in Science**

EDCI411 *(PermReq)* **Knowledge, Reasoning, and Learning in Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 GPA; and permission of department. Junior standing. Credit will be granted for only one of the following: EDCI370 or EDCI411. Formerly EDCI370. For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

0101	Anita Sanyal TuTh 3:00pm - 4:15pm	Seats (Total: 25) EDU 2212	

EDCI416 **Curriculum and Instruction in Secondary Education: English Speech Theatre**

EDCI416 *(PermReq)* **Curriculum and Instruction in Secondary Education: English Speech Theatre; (3 credits)** Grade Method: REG.
Prerequisites: admission to teacher education program; 2.5 GPA; and permission of department. Credit will be granted for only one of the following: EDCI340 or EDCI416. Formerly EDCI340. An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Reserve one half day for entire semester for field experience.

0101	Peggy Wilson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 15) EDU 2119 EDU 0114	 Lab
0102	Peggy Wilson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 10) EDU 2119 EDU 0202	 Lab
0103	Peggy Wilson M 8:30am - 10:15am M 2:30pm - 4:15pm	Seats (Total: 15) EDU 2119 PLS 1158	 Lab

EDCI423 **Art Education Methods II**

EDCI423 Art Education Methods II; (3 credits) Grade Method: REG.
Prerequisite: admission to teacher education program; 2.5 G.P.A.; and EDCI405 or equivalent. Corequisite: EDCI400. For art education majors only. Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.

0101	Susan Hendricks Tu 9:00am - 12:00pm	Seats (Total: 25) EDU 1315

EDCI426 **Materials and Resources in Social Studies**

EDCI426 *(PermReq)* **Materials and Resources in Social Studies; (3 credits)** Grade Method: REG.
Prerequisite: permission of department and 2.5 GPA. The course will emphasize the identification, appropriate selection, implementation and assessment of materials and resources that promote social studies instruction that is theory based for multiple settings.

0101	Lisa Eaker W 1:00pm - 3:50pm	Seats (Total: 23) EDU 1315
0201	Lisa Eaker Th 4:15pm - 7:00pm	Seats (Total: 23) ASY 3219

EDCI427 **Curriculum and Instruction in Secondary Education: Social Studies and History**

EDCI427 *(PermReq)* **Curriculum and Instruction in Secondary Education: Social Studies and History; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDHD413 and EDHD420. Corequisite: EDCI428. For education majors only. Credit will be granted for only one of the following: EDCI320 or EDCI427. Formerly EDCI320. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement and topics pertinent to social studies education. Includes emphasis on multi-cultural education. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Chauncey Monte-Sano	Seats (Total: 19)
	Tu 1:00pm - 3:50pm	ARC 1123

EDCI428 **Field Experience in Secondary Social Studies Teaching**

EDCI428 *(PermReq)* **Field Experience in Secondary Social Studies Teaching; (1 credit)** Grade Method: S-F.
Co-requisite: EDCI 427. Students must reserve one full day per week for observation.

0101	Catherine McCall	Seats (Total: 35)
	Contact instructor or department for details.	

EDCI432 **Issues in the Education of English Language Learners**

EDCI432 Issues in the Education of English Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDCI432 or EDCI488Q. Formerly EDCI488Q. Analysis of current research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 settings.

0101	Nathanael Rudolph	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EDU 2102

EDCI433 **Advanced K-12 Foreign Language Methods and Technology**

EDCI433 *(PermReq)* **Advanced K-12 Foreign Language Methods and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: EDCI330, EDHD413, EDHD420 and permission of department. Corequisite: EDCI438. For EDCI majors only. Teaches advanced best practices for effective foreign language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for K-12 employment, and creating a professional portfolio. Field experience (in co-requisite EDCI438) focuses on middle and high school. EDCI 438 must be taken concurrently with EDCI 433. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Perla Blejer, Deborah Davis M 5:00pm - 7:45pm	Seats (Total: 10) Location: TBA
IHP1	Perla Blejer **Meets August 30, 2010 - December 17, 2010** M 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Department Permission Required.*	Seats (Total: 15) Location: TBA

EDCI435 **Teaching English Language Learners Reading and Writing in the Secondary Content Areas**

EDCI435 Teaching English Language Learners Reading and Writing in the Secondary Content Areas; (3 credits) Grade Method: REG/P-F/AUD.
Analysis of approaches to curriculum, current research, theory, and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. State Approved. Required for TESOL certification program.

0101	Shannon Daniel TuTh 1:00pm - 2:15pm	Seats (Total: 20) ARC 1125

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI436 or EDCI488T. Formerly EDCI488T. Understanding cultural issues in English Language Learner classes; techniques and resources for addressing such issues.

0101	Bedrettin Yazan TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3203

EDCI438 **Field Experience in Second Language Education; Field Experience in Second Language Education**

EDCI438 *(PermReq)* **Field Experience in Second Language Education: Field Experience in Second Language Education; (1 credit)** Grade Method: S-F.
EDCI 433 must be taken concurrently with EDCI 438.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 10)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
For elementary education and pre-elementary education majors only. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Lisa Stevens MW 11:00am - 12:15pm	Seats (Total: 26) EDU 2121
0201	Lisa Stevens M 9:00am - 10:15am W 9:00am - 10:15am	Seats (Total: 26) EDU 0114 EDU 2119
0301	Summer Clark TuTh 11:00am - 12:15pm	Seats (Total: 26) EDU 3236

EDCI447 **Field Experience in English, Speech, Theatre Teaching**

EDCI447 Field Experience in English, Speech, Theatre Teaching; (1 credit) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA. Corequisite: EDCI417. For education majors only. Practical experience as an aide to a regular English, speech or drama teacher; assigned responsibilities and participation in a variety of teaching/learning activities. Secondary English/speech/drama education majors only. Students must reserve one full day per week for observation.

0101	Peggy Wilson	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI455 **Methods of Teaching Mathematics in Secondary Schools**

EDCI455 Methods of Teaching Mathematics in Secondary Schools; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement, and topics pertinent to mathematics education. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Lawrence Clark	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	EDU 2121

EDCI457 **Teaching and Learning Middle School Mathematics**

EDCI457 Teaching and Learning Middle School Mathematics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program or permission of department; 2.5 GPA; and permission of department for post-baccalaureate students. Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics.

0101	Richard Hollenbeck, Paula Maccini	Seats (Total: 25)
	TuTh 3:00pm - 5:00pm	EDU 2121

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. For Elementary Education majors only. Junior standing. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0301	Rose Codling Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 28) EDU 2119 EDU 2121
IHP1	Jennifer Turner **Meets September 7, 2010 - December 13, 2010** M 9:00am - 12:00pm *MCERT ELEM Outreach Offering. Departmental permission required.*	Seats (Total: 20) Location: TBA

EDCI462 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**
Contact department for information to register for this course.

EDCI463 **Reading in the Secondary School**

EDCI463 *(PermReq)* **Reading in the Secondary School; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; and 2.5 GPA; or permission of department required for post-baccalaureate students. For education majors only. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts. Also offered as EDCI 661.

0101	Ayanna Baccus MW 3:00pm - 4:15pm	Seats (Total: 30) EDU 2119
0201	Pamela Segal MW 3:00pm - 4:15pm	Seats (Total: 28) EDU 2121

EDCI467 **Teaching Writing**

EDCI467 Teaching Writing; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* Sources and procedures for developing curriculum objectives and materials for teaching written composition; prewriting, composing, and revision procedures; contemporary directions in rhetorical theory; survey of research on composition instruction.

0101	Wayne Slater Th 5:00pm - 7:45pm	Seats (Total: 30) EDU 2121

EDCI470 **Learning and Teaching in Science**

EDCI470 Learning and Teaching in Science; (3 credits) Grade Method: REG. *Prerequisites: Admission to the Science Education Program and EDCI411 or permission of instructor.* Studies of student learning and instructional practices in science teaching.

0101	Stacy Pritchett W 5:00pm - 7:45pm	Seats (Total: 20) EDU 2212A

EDCI488B **Selected Topics in Teacher Education; Classroom Management**

EDCI488B Selected Topics in Teacher Education: Classroom Management; (1 credit) Grade Method: REG.

0101	Ann Schweighofer Tu 1:00pm - 3:00pm	Seats (Total: 0) EDU 2212
0201	Robin Bonica Th 1:00pm - 2:50pm	Seats (Total: 0) EDU 2121
0301	Tracy Dunheimer Tu 8:00am - 10:20am	Seats (Total: 0) EDU 2119
0401	Eugene Haines Tu 1:15pm - 4:00pm	Seats (Total: 0) MMH 1304

EDCI488C **Selected Topics in Teacher Education; Exploring our Visual World with Aesthetics**

EDCI488C Selected Topics in Teacher Education: Exploring our Visual World with Aesthetics; (3 credits) Grade Method: REG/P-F/AUD.
Provides prospective teachers with a philosophical foundation for teachi g through visual images in today's classrooms. Through museum visits, d ocumentaries, writings by artists, philosophers and critics, develop a definition of contemporary aesthetics.

0101	Margaret Walker Tu 4:15pm - 7:00pm	Seats (Total: 12) EDU 1315

EDCI488I **Selected Topics in Teacher Education; Chillum Internship Program**

EDCI488I Selected Topics in Teacher Education: Chillum Internship Program; (3 credits) Grade Method: REG/P-F.

0201	Dawn Sherman M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 25) EDU 0206

EDCI488L **Selected Topics in Teacher Education; Embracing Diversity in Classroom Communities**

EDCI488L Selected Topics in Teacher Education: Embracing Diversity in Classroom Communities; (1-3 credits) Grade Method: REG/P-F/AUD.

0201	Jean Snell Tu 3:30pm - 6:15pm	Seats (Total: 25) JMZ 0205

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI588D **Special Topics in Curriculum & Instruction; Teach, Coach, Reflect**

Contact department for information to register for this course.

EDCI588E **Special Topics in Curriculum & Instruction; Culturally Responsive Teaching and Classroom Management for Urban Schools**

Contact department for information to register for this course.

EDCI588F **Special Topics in Curriculum & Instruction; Applying Culturally Relevant Teaching Pedagogy in Mathematics**

Contact department for information to register for this course.

EDCI588G **Special Topics in Curriculum & Instruction; Lenses on Learning for Coaches**

Contact department for information to register for this course.

EDCI588N **Special Topics in Curriculum & Instruction; Disciplinary Writing Instruction for Struggling Readers in U.S. History Classes**

Contact department for information to register for this course.

EDCI602 **The Teaching of Aesthetics in the Public Schools**

EDCI602 The Teaching of Aesthetics in the Public Schools; (3 credits) Grade Method: REG/AUD.

Critical investigation of art, and curriculum implications.

0101	Margaret Walker	Seats (Total: 13)
	Tu 4:15pm - 7:00pm	EDU 1315

EDCI603 **Integrated Art Methods**

EDCI603 Integrated Art Methods; (3 credits) Grade Method: REG/AUD.

Prerequisite: EDCI680 or EDCI405. For EDCI majors only. Credit will be granted for only one of the following: EDCI423, EDCI603, or EDCI688D. Formerly EDCI688D.

Builds upon the pedagogical foundation of an initial art education methods course and provides future art teachers with the means for developing PreK-12 art lesson/unit plans for a balanced qualitative art program for today's diverse and inclusive schools/classrooms. Integratin g art with other subject areas.

IHP1	Susan Hendricks **Meets August 30, 2010 - December 17, 2010** Tu 5:00pm - 8:00pm *MCERT SECONDARY Outreach Offering. Departmental permission required.*	Seats (Total: 20) Location: TBA

EDCI607 **Learning and Teaching in the Biological Sciences II**
Contact department for information to register for this course.

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 *(PermReq)* **Studying Student Learning in Diverse Settings; (3 credits)**
Grade Method: REG/AUD.
This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IHP1	Sherick Hughes **Meets September 7, 2010 - December 13, 2010** M 1:00pm - 4:00pm *MCERT ELEM Outreach Offering. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP2	Summer Clark **Meets August 30, 2010 - December 17, 2010** W 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Departmental Permission required.*	Seats (Total: 20) Location: TBA
IHP3	Roderick Carey **Meets August 30, 2010 - December 17, 2010** Th 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA

EDCI612 **Assessing Student Learning and Development**

EDCI612 Assessing Student Learning and Development; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDCI 612 or EDCI 788S. Formerly EDCI788S. Prepares experienced teachers to assess student knowledge, strategies and skills over time so that they can design instruction that builds on student strengths and addresses student needs. Teachers will study the purposes of assessment including school and student needs. Teachers will study the purposes of assessment including school and teacher accountability, student placement, course grade assignment and instructional design. They also will explore types of formal and informal assessment, curriculum-based and curriculum-free assessment, external and teacher made assessment.

0101	Peter Afflerbach	Seats (Total: 20)
	W 4:15pm - 7:00pm	KNI 1103

EDCI618 **Proseminar for Teaching Internship**

EDCI618 Proseminar for Teaching Internship; (1-3 credits) Grade Method: REG/AUD.

IHP1	Dianne Bradley	Seats (Total: 18)
	Meets August 24, 2010 - December 14, 2010	
	Contact instructor or department for details.	
	CITE Program. Shady Grove. Departmental Permission Required - contact djames1@umd.edu.	

EDCI627 **Secondary Social Studies Pedagogy**

EDCI627 Secondary Social Studies Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI426 or EDCI680. Credit will be granted for only one of the following: EDCI627 or EDCI788Y. Formerly EDCI788Y. The second course in a three-course teaching methods sequence. Addresses two key questions: (1) How do secondary school students think about and learn history/social studies? (2) How can secondary teachers teach history/social studies in ways that promote student learning?

IHP1	Bruce VanSledright **Meets August 30, 2010 - December 17, 2010** Tu 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA
	EDCI Outreach Secondary MCERT. Departmental Permission Required.	

EDCI630 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

EDCI630 Foundations of Second Language Education: Legal, Social and Historical Trends and Issues; (3 credits) Grade Method: REG/AUD.
Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program.

0101	Colleen Gallagher Th 4:15pm - 7:00pm	Seats (Total: 20) ASY 3221

EDCI633 **Teaching for Cross Cultural Communication**

EDCI633 Teaching for Cross Cultural Communication; (3 credits) Grade Method: REG/AUD.
Techniques and content for teaching in foreign language classes, and English as a second language (ESL) classes. Research and evaluation of selected aspects of a culture as basis for creating teaching materials.

0101	Melinda Martin-Beltran, Rashi Jain M 5:00pm - 7:45pm	Seats (Total: 25) TWS 0234

EDCI634 **Methods of Teaching ESOL**

EDCI634 Methods of Teaching ESOL; (3 credits) Grade Method: REG/AUD.
This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Hybrid Format

0101	Roberta Lavine, Julian Chen W 5:00pm - 7:45pm	Seats (Total: 23) PLS 1162
	This section will meet in PLS 1162 until October 13, then from October 0 to the end of the semester either in PLS 1162 at 5:00 or virtually at 7:30 to facilitate live web communication with Taiwan.	

EDCI635 **English Grammar for Teachers of English to Speakers of Other Languages**

EDCI635 English Grammar for Teachers of English to Speakers of Other Languages; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

0101	Denis Sullivan Tu 5:00pm - 7:45pm	Seats (Total: 25) SYM 0209

EDCI636 **Teaching ESOL Reading and Writing in the Elementary Classroom Areas**

EDCI636 *(PermReq)* **Teaching ESOL Reading and Writing in the Elementary Classroom Areas; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI 634. Analysis of elementary school classroom culture, social contexts, and instructional strategies which foster language development in elementary school content areas.

0101	Megan Peercy Tu 5:00pm - 7:45pm	Seats (Total: 15) Location: TBA
IHP1	Megan Peercy **Meets August 30, 2010 - December 17, 2010** Tu 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA
	EDCI Outreach Secondary MCERT. Departmental permission required.	

EDCI640 **Trends in Secondary School Curriculum: English**

EDCI640 Trends in Secondary School Curriculum: English; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in English education.

IHP1	Kathleen Travers **Meets August 30, 2010 - December 17, 2010** M 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA
	EDCI Outreach Secondary MCERT. Departmental permission required.	

EDCI645 **Teaching and Learning Geometry in the Middle Grades**

EDCI645 Teaching and Learning Geometry in the Middle Grades; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admssion to M.A. or M.Ed. with concentration in Mathematics Education or permission of department. Credit will be granted for only one of the following: EDCI645 or EDCI688C. Formerly EDCI688C. Designed to enhance both the pedagogical and geometric content knowledge of middle school mathematics teachers.

IHP1	Richard Hollenbeck W 5:00pm - 8:00pm	Seats (Total: 15) Location: TBA
	College of Education/Math Program, Outreach Offering. Dept Permission Required. Contact Diane James at djames1@umd.edu.	

EDCI650 **Trends in Mathematics Education**

EDCI650 Trends in Mathematics Education; (3 credits) Grade Method: REG.
Recent developments in educational thinking and practice which have affected the curriculum in mathematics.

0101	Patricia Campbell W 4:15pm - 7:00pm	Seats (Total: 25) EDU 2121

EDCI651 **Teaching and Learning Mathematics in Secondary Schools**

EDCI651 Teaching and Learning Mathematics in Secondary Schools; (3 credits) Grade Method: REG/AUD.
Prerequisite: Enrollment in a University of Maryland program leading to teacher certification; bachelor's degree in mathematics or related field; and 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks, technology and other instructional materials; assessment of student learning and other topics pertinent to secondary mathematics education. Internship of other placement in a secondary mathematics classroom is required. Prerequisite: Permission of department. EDCI MSMART Program. Contact Dian James at djames1@umd.edu.

IHP1	Andrew Brantlinger	Seats (Total: 15)
	Meets August 30, 2010 - December 17, 2010	
	Tu 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Departmental permission required.	

EDCI652 **Teaching and Learning Mathematics in the Elementary School**

EDCI652 Teaching and Learning Mathematics in the Elementary School; (3 credits) Grade Method: REG.
Prerequisite: MATH212; MATH213, MATH214 or equivalent. Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.

IHP1	Ann Edwards	Seats (Total: 18)
	Meets August 30, 2010 - December 17, 2010	
	Tu 3:45pm - 6:45pm Class time/details on ELMs	Location: TBA ONLINE
	CITE Program. Shady Grove. Departmental Permission Required. Contact Dian James at djames1@umd.edu.	

IHP2	Ann Edwards **Meets September 7, 2010 - December 14, 2010** Tu 1:00pm - 4:00pm	Seats (Total: 20) Location: TBA
	MCERT ELEM Outreach Offering. Departmental Permisson Required.	

EDCI654 **Assessing Mathematical Understanding**
Contact department for information to register for this course.

EDCI657 **Understanding and Engaging Students' Conceptions of Mathematics**
Contact department for information to register for this course.

EDCI660 **Foundations of Reading**

EDCI660 *(PermReq)* **Foundations of Reading; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI362 or EDCI463 or equivalent. Broad and comprehensive overview of reading and literacy and factors that may influence effective reading practices such as instruction, classroom environment and individual differences. Focus on different knowledge domains and traditions of inquiry related to reading and reading instruction.

0101	Peter Afflerbach Tu 4:30pm - 7:15pm	Seats (Total: 10) Location: TBA
IHP1	Peter Afflerbach Tu 4:30pm - 7:15pm	Seats (Total: 18) Location: TBA

EDCI661 **Content Area Reading**

EDCI661 Content Area Reading; (3 credits) Grade Method: REG.
Prerequisite: EDCI 362 or EDCI 463 or equivalent. Research-based strategies for improving reading to learn in the content areas (K-12).

IHP1	Xiao Liu **Meets September 7, 2010 - December 7, 2010** Tu 5:00pm - 7:45pm	Seats (Total: 12) ONLINE
	EDCI Outreach Offering for MCERT Chinese at Shady Grove.	

EDCI663 **Understanding, Evaluating and Using Research in School Reading Programs**

EDCI663 Understanding, Evaluating and Using Research in School Reading Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI660. Focus on understanding, critiquing, and applying reading/literacy research; reviewing research to improve practice; analyzing data at the district, school, classroom, and student levels to improve reading instruction.

0101	Mariam Dreher	Seats (Total: 15)
	Th 4:15pm - 7:00pm	EDU 2234

EDCI664 **Clinical Assessment in Reading**

EDCI664 Clinical Assessment in Reading; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI661 and EDCI663; or permission of department. Clinical diagnostic techniques and materials for assessing reading strengths and needs.

0101	Rose Codling	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2234

EDCI670 **Trends in School Curriculum: Science**

EDCI670 *(PermReq)* **Trends in School Curriculum: Science; (3 credits)** Grade Method: REG.
Recent developments in educational thinking and practice on the curriculum in science education.

0101	James McGinnis	Seats (Total: 10)
	M 4:15pm - 7:00pm	EDU 2212

EDCI671 **Teaching Science in Elementary Schools**

EDCI671 Teaching Science in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Identification of problems in teaching science. Methods for improving the effectiveness of science education.

IHP1	Anita Sanyal	Seats (Total: 20)
	Tu 9:00am - 12:00pm	Location: TBA
	MCERT ELEM Outreach Offering. Departmental permission required.	

EDCI675 **Learning to Teach and Learn Science**

EDCI675 Learning to Teach and Learn Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to Maryland Master's Certification Program (MMCP), EDCI680, or permission of instructor. Credit will be granted for only one of the following: EDCI675 or EDCI788V. Formerly EDCI788V. Developing practices of instruction in science teaching in the context of understanding student science learning.

IHP1	Anita Sanyal Tu 5:30pm - 8:30pm Class time/details on ELMs	Seats (Total: 20) Location: TBA ONLINE
	Prerequisite: Permission of department. EDCI MSMART Program. Contact Diane James at djames1@umd.edu.	

EDCI687 **Applications of Computers in Instructional Settings**

EDCI687 Applications of Computers in Instructional Settings; (3 credits) Grade Method: REG/AUD.
Review and analysis of instructional software and computer-based learning environments from the standpoint of teaching, learning, and design theories. Integration of instructional and tool software into classroom settings.

0101	Christine Greenhow W 4:15pm - 7:00pm	Seats (Total: 25) EDU 2212

EDCI688F **Special Topics in Curriculum and Instruction; Learning and Teaching in the Physical Sciences**
Contact department for information to register for this course.

EDCI688J **Special Topics in Curriculum and Instruction; Adolescent Learning and Development**

EDCI688J Special Topics in Curriculum and Instruction: Adolescent Learning and Development; (1-3 credits) Grade Method: REG/AUD.

IHP1	Maria Hyler W 5:30pm - 8:30pm Class time/details on ELMs	Seats (Total: 13) Location: TBA ONLINE
	Prerequisite: permission of department. EDCI MSMaRT Program. Contact Diane James at djames1@umd.edu.	

EDCI689 **Teaching Internship**

EDCI689 Teaching Internship; (1-9 credits) Grade Method: REG/AUD.

7018	Susan Hendricks Contact instructor or department for details.	Seats (Total: 10)
7028	Perla Blejer Contact instructor or department for details.	Seats (Total: 10)
7046	Andrew Brantlinger Contact instructor or department for details.	Seats (Total: 10)
7047	Richard Hollenbeck Contact instructor or department for details.	Seats (Total: 10)
7048	Peggy Wilson Contact instructor or department for details.	Seats (Total: 10)
7049	Lisa Eaker Contact instructor or department for details.	Seats (Total: 10)
7053	John Seelke Contact instructor or department for details.	Seats (Total: 10)
7054	Karen Rehder Contact instructor or department for details.	Seats (Total: 10)
7055	Stacy Pritchett Contact instructor or department for details.	Seats (Total: 10)
7056	Catherine McCall Contact instructor or department for details.	Seats (Total: 10)
7057	Colleen Gallagher Contact instructor or department for details.	Seats (Total: 10)

7058	Tracy Dunheimer Contact instructor or department for details.	Seats (Total: 10)
CE01	Karen Rehder **Meets September 1, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach MCERT. Department permission required.*	Seats (Total: 20)
CE02	Susan Hendricks **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-ART. Departmental permission required.*	Seats (Total: 15)
CE03	Peggy Wilson **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-ENGLISH. Departmental permission required*	Seats (Total: 25)
CE04	Perla Blejer **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-FOREIGN LANGUAGE. Departmental permission required.*	Seats (Total: 19)
CE05	John Seelke **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT - MATH. Departmental permission required.*	Seats (Total: 10)
CE06	Stacy Pritchett **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-SCIENCE. Departmental permission required*	Seats (Total: 15)

CE07	Catherine McCall **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-SOCIAL STUDIES. Departmental permission required.*	Seats (Total: 15)
CE08	Colleen Gallagher **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-TESOL. Departmental permission required.*	Seats (Total: 15)

EDCI689M **Teaching Internship; MSMaRT**
Contact department for information to register for this course.

EDCI690 **Teaching as a Profession**

EDCI690 Teaching as a Profession; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The profession of teaching and the knowledge base that defines teaching. Current and social issues that affect teaching and learning; role of research and experience in learning to teach.

0101	David Imig Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 0206

EDCI691 **Models of Teaching: Theories and Applications**

EDCI691 Models of Teaching: Theories and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Theory and research on teaching as applied to models of instruction. Practice in developing an initial repertoire of teaching models and in providing thoughtful critique of teaching based on these models.

IHP1	Dianne Bradley **Meets August 24, 2010 - December 2, 2010** Th 3:45pm - 6:45pm *CITE Program. Shady Grove. Departmental Permission Required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 18) ONLINE

EDCI697 **Embracing Diversity in Classroom Communities**

EDCI697 Embracing Diversity in Classroom Communities; (3 credits) Grade Method: REG/AUD.
03 semester hours. The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

0101	Saroja Barnes Tu 5:00pm - 7:45pm	Seats (Total: 25) HBK 0108

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.

0101	Joseph McCaleb Tu 4:30pm - 7:15pm	Seats (Total: 25) EDU 2119
IHP1	Ann Schweighofer **Meets August 30, 2010 - December 17, 2010** Contact instructor or department for details. *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 25)
IHP2	Kathleen Travers **Meets August 30, 2010 - December 17, 2010** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP3	Kathleen Travers **Meets August 30, 2010 - December 17, 2010** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA

IHP4	Jean Snell **Meets August 30, 2010 - December 17, 2010** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP5	James McGinnis **Meets August 30, 2010 - December 17, 2010** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP6	Saroja Barnes **Meets August 30, 2010 - December 17, 2010** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP7	Joseph McCaleb Tu 4:30pm - 7:15pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 10) Location: TBA
IHP9	Andrew Elby **Meets September 9, 2010 - December 16, 2010** Th 4:00pm - 7:00pm *Outreach offering. Departmental permission required: contact Diane Jam s at djames1@umd.edu .*	Seats (Total: 1) Location: TBA

EDCI732 **Second Language Acquisition**

EDCI732 *(PermReq)* **Second Language Acquisition; (3 credits)** Grade Method: REG/AUD.
Prerequisites: permission of department. Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL). MCERT SECONDARY Outreach Offering. Departmental permission required.

0201	Melinda Martin-Beltran Th 4:15pm - 8:00pm	Seats (Total: 20) JMZ 0205

IHP1	Ali Selvi, Melinda Martin-Beltran **Meets August 30, 2010 - December 17, 2010** Th 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA

EDCI Outreach Secondary MCERT. Departmental permission required.

EDCI753 **Foundations of Mathematics Education III: Curriculum**

EDCI753 Foundations of Mathematics Education III: Curriculum; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admitted to Mathematics Education Doctoral Program or permission of department. The study of curriculum in mathematics and research on curriculum. The relationship of mathematics and school mathematics; the forms, purposes,development, and evaluation of mathematics curricula.

0101	Daniel Chazan M 4:30pm - 7:15pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Daniel Chazan F 9:00am - 11:00am	Seats (Total: 12) EDU 2121

EDCI763 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI763 Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits) Grade Method: REG.
Provide secondary education students with an understanding of the interactive nature of the reading process, the use of search based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

IHP1	Ayanna Baccus **Meets August 30, 2010 - December 17, 2010** W 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP2	Ayanna Baccus **Meets August 30, 2010 - December 17, 2010** Th 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA

EDCI769 **Theory and Research in Reading**

EDCI769 *(PermReq)* **Theory and Research in Reading; (3 credits)** Grade Method: REG/AUD.

0101	Jennifer Turner M 4:15pm - 7:00pm	Seats (Total: 20) EDU 0220

EDCI780 **Theory and Research on Teaching**

EDCI780 Theory and Research on Teaching; (3 credits) Grade Method: REG/AUD.
Analysis of the interactive process of instruction; preschool through higher education in school and non-school settings; future directions and needed research.

0101	Linda Valli Th 4:30pm - 7:15pm	Seats (Total: 35) EDU 2212

EDCI784 **Teaching, Professional Development and School Change**

EDCI784 Teaching, Professional Development and School Change; (3 credits) Grade Method: REG/AUD.
Examines currrent scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.

0101	Saroja Barnes M 4:15pm - 7:00pm	Seats (Total: 25) JMZ 3203

EDCI786 **Black and Latino Education: History and Policy**

EDCI786 Black and Latino Education: History and Policy; (3 credits) Grade Method: REG/AUD.
Recommended: EDSP611 and EDCI776. Examination of the historical legacies and contemporary policies that have contributed to the educational status (K-20) of Blacks and Latinos in the United States from the 19th century to the present. Issues surrounding language, immigration, racism, social class, and state and federal policies will also be analyzed.

0101	Victoria MacDonald M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2119

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788G **Selected Topics in Teacher Education; Proseminar and Internship: Perspectives on Teaching**
Contact department for information to register for this course.

EDCI788I **Selected Topics in Teacher Education; Supervising and Mentoring Beginning Educators**

EDCI788I Selected Topics in Teacher Education: Supervising and Mentoring Beginning Educators; (1 credit) Grade Method: REG.
Course meets on the following Wednesdays: September 15, 29, October 13, 27, November 10, December 1, 8, 2010.

0101	Susan DePlatchett, Leslie Gettier, Joseph McCaleb **Meets October 5, 2010 - December 7, 2010** W 8:00am - 10:00am	Seats (Total: 25) EDU 2101

EDCI788J **Selected Topics in Teacher Education; Preparing Minority Students for College Entrance & Success: National, State and Local Models (MIMAUE Colloquium Series)**

EDCI788J Selected Topics in Teacher Education: Preparing Minority Students for College Entrance & Success: National, State and Local Models (MIMAUE Colloquium Series); (1 credit) Grade Method: REG/AUD.

0101	Martin Johnson, Stephanie Brown	Seats (Total: 15)
	W 4:30pm - 6:30pm	ASY 3203

EDCI788O **Selected Topics in Teacher Education; Apprenticeship in Education**
Contact department for information to register for this course.

EDCI788P **Selected Topics in Teacher Education; Metcognitive Use of Historical Reading and Writing Strategies with Middle School Students**

EDCI788P Selected Topics in Teacher Education: Metcognitive Use of Historical Reading and Writing Strategies with Middle School Students; (1-3 credits) Grade Method: REG/AUD.

IHP1	Susan De La Paz, Chauncey Monte-Sano	Seats (Total: 7)
	Contact instructor or department for details.	

EDCI788W **Selected Topics in Teacher Education; Latino Bilingualism and Biculturalism**
Contact department for information to register for this course.

EDCI788Y **Selected Topics in Teacher Education; Teaching Narrative**

EDCI788Y Selected Topics in Teacher Education: Teaching Narrative; (1 credit) Grade Method: REG.
Application of theory and research on narrative as related to instructio n. Storytelling, traditional tales, and digital technologies in ed. pra ctice. Develop curricular materials. Potential to work with Spring 201 1 class at 200 level

0101	Joseph McCaleb	Seats (Total: 20)
	Contact instructor or department for details.	
	This class will be taught partially online.	

EDCI789A **Special Topics in Teacher Education; Revisioning Teacher Education**

EDCI789A Special Topics in Teacher Education: Revisioning Teacher Education; (1-3 credits) Grade Method: REG.
Students registering for more than one credit will participate in off campus locations at agencie in DC and/or engage in other field/research work.

0101	Linda Valli, David Imig W 11:15am - 2:50pm *This section will start on Wednesday, September 8, 2010.*	Seats (Total: 25) EDU 2212

EDCI789B **Special Topics in Teacher Education; Current Issues and Controversies in Second Language Education**

EDCI789B Special Topics in Teacher Education: Current Issues and Controversies in Second Language Education; (1 credit) Grade Method: REG/AUD.

0101	Roberta Lavine Contact instructor or department for details.	Seats (Total: 25)

EDCI791 **Qualitative Research I: Design and Fieldwork**

EDCI791 *(PermReq)* **Qualitative Research I: Design and Fieldwork; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI790. Formerly EDCI684. Builds on EDCI790 to examine in more depth the theoretical and epistemological moorings of different types of qualitative research. Students apply selected field research methods to problems of professional practice in schools and communities while considering central issues and dilemmas that arise while engaging in fieldwork.

0101	Sherick Hughes W 4:30pm - 7:15pm	Seats (Total: 20) EDU 2119
0201	Jennifer Turner Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2119

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (1-3 credits) Grade Method: REG.

0101	Patricia Campbell	Seats (Total: 10)
	F 11:00am - 1:00pm	EDU 2121
	Contact instructor or department for details.	

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI888A **Apprenticeship in Education; Application Seminar: Narrowing the Achievement Gap**
Contact department for information to register for this course.

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Fall 2010

EDCP108B **College and Career Advancement: Concepts and Skills; Reading and Study Skills**

All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors.
EDCP108B College and Career Advancement: Concepts and Skills: Reading and Study Skills; (1 credit) Grade Method: REG/P-F/AUD.

0301	Shirley Browner **Meets October 18, 2010 - December 7, 2010** TuTh 11:00am - 11:50am	Seats (Total: 25) PLS 1111
0501	Beverly Greenfeig **Meets September 2, 2010 - October 28, 2010** Th 12:30pm - 1:50pm	Seats (Total: 30) SQH 1119
0601	Beverly Greenfeig **Meets October 12, 2010 - December 7, 2010** Tu 2:00pm - 3:15pm	Seats (Total: 25) TYD 1118
0801	Shirley Browner **Meets August 30, 2010 - October 14, 2010** MW 2:00pm - 2:50pm	Seats (Total: 30) EDU 2119

EDCP108C **College and Career Advancement: Concepts and Skills; Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Choosing a Major; (1 credit) Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major.

0101	Yi-Jiun Lin **Meets September 6, 2010 - November 14, 2010** Tu 10:00am - 11:50am	Seats (Total: 20) EDU 0202
0201	Sarah Mebane **Meets September 8, 2010 - November 14, 2010** M 10:00am - 11:50am	Seats (Total: 20) EDU 2102

EDCP108G **College and Career Advancement: Concepts and Skills; The Transfer Student in the University**

EDCP108G College and Career Advancement: Concepts and Skills: The Transfer Student in the University; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg **Meets September 6, 2010 - November 28, 2010** M 2:00pm - 3:30pm	Seats (Total: 30) TYD 1114

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of the instructor. Recommended for students with junior standing or above (or sophmores, with permission of Instructor) who are interested in learning about strategies for landing internships full-time employment and being successful in their careers.

0301	Kara Kehoe **Meets August 31, 2010 - September 30, 2010** TuTh 11:00am - 12:15pm	Seats (Total: 20) HBK 3134
0501	Elizabeth Niehaus **Meets August 30, 2010 - November 8, 2010** M 1:00pm - 2:15pm	Seats (Total: 20) HBK 3134

0601	Elizabeth Niehaus **Meets September 1, 2010 - November 3, 2010** W 2:00pm - 3:15pm	Seats (Total: 20) HBK 3134

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit) Grade Method: REG/AUD.
Course registration is restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor and only if seats are available.Once registered, please check your email for information about the first class meeting.

0101	Kimberly Bethea **Meets August 30, 2010 - October 15, 2010** Contact instructor or department for details.	Seats (Total: 25)
0201	Kimberly Bethea **Meets October 18, 2010 - December 7, 2010** Contact instructor or department for details.	Seats (Total: 25)
0301	Jennifer Johnson **Meets September 14, 2010 - November 2, 2010** M 4:00pm - 5:30pm *Restricted to ACE Program Students only.*	Seats (Total: 0) TYD 2108
0401	Jennifer Johnson **Meets October 7, 2010 - December 2, 2010** W 3:30pm - 5:00pm *Restricted to ACE Program Students only.*	Seats (Total: 0) JMZ 1117

EDCP108N **College and Career Advancement: Concepts and Skills; Diversity Issues and Academic Strategies for Success**

EDCP108N College and Career Advancement: Concepts and Skills: Diversity Issues and Academic Strategies for Success; (1 credit) Grade Method: REG.

0401	Ronald Zeigler, Solomon Comissiong M 10:00am - 11:00am	Seats (Total: 25) NCC 0120
0501	Shaunna Payne Gold W 1:00pm - 2:00pm	Seats (Total: 25) HBK 1112

EDCP108R **College and Career Advancement: Concepts and Skills; Returning Students**

EDCP108R College and Career Advancement: Concepts and Skills: Returning Students; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg Th 12:30pm - 1:50pm	Seats (Total: 30) EDU 0114

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Freshmen and Sophomore standing. Credit will be granted for only one of the following: EDCP217 or EDCP317. Formerly EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $36 materials fee.

0101	Vanita Penn, Marissa Neuman TuTh 12:30pm - 1:45pm	Seats (Total: 25) EDU 1121
0201	Olan Garrett, Angela Jackson TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 0236
0301	Myra Basar, Sarah Popovich MW 11:00am - 12:15pm	Seats (Total: 25) COL 0102

0401	Corin Edwards TuTh 2:00pm - 3:15pm	Seats (Total: 20) ARM 0121
	Prerequisite: Permission needed. Section open only to members of Fraternity and Sorority organizations recognized by the Office of Fraternity and Sorority Life. Contact Tawanna Twitty at ttwitty@umd.edu or 301-314-7172 for permission to enroll.	

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits)

Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted. Also offered as AAST298B.

0101	Michele Mackie TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 0283
0201	Min Yang MW 11:00am - 12:15pm	Seats (Total: 25) HBK 0108

EDCP298 **Special Problems in Counseling and Personnel Services**

EDCP298 Special Problems in Counseling and Personnel Services; (1-3 credits)

Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP298Z **Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context**

Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG. The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Na-Yeun Choi TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1146
0201	Ana Popovska MW 9:30am - 10:45am	Seats (Total: 25) TWS 0201
0301	Renee Jorisch TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0120
0401	Kayi Hui TuTh 11:00am - 12:15pm	Seats (Total: 25) KEY 0116

EDCP312 **Multi-Ethnic Peer Counseling**

EDCP312 Multi-Ethnic Peer Counseling; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Prerequisite: undergraduate status. Sophomore standing. Formerly EDCP310A. Knowledge, skills, and attitude to function as peer helpers of Multi- Ethnic students. Also offered as AAST398E.

0201	L Gomez W 2:00pm - 4:45pm	Seats (Total: 25) SYM 0209

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts.

0101	Shaunna Payne Gold TuTh 11:00am - 12:15pm *Students must pay a $38 materials fee.*	Seats (Total: 25) EDU 0206

0201	Joshua Hiscock MW 12:30pm - 1:45pm *Students must pay a $38 materials fee.*	Seats (Total: 25) COL 0102
0301	Joshua Hiscock MW 2:00pm - 3:15pm *Students must pay a $38 materials fee.*	Seats (Total: 25) COL 0102
SG91	Glacia Ethridge MW 9:30am - 10:45am *This section meets at Universities at Shady Grove.*	Seats (Total: 30) BLD3 3230

EDCP318B **Applied Contextual Leadership; Facilitating in Group Dialogue**

EDCP318B *(PermReq)* **Applied Contextual Leadership: Facilitating in Group Dialogue; (3 credits)** Grade Method: REG/P-F/AUD.

0301	Connie North W 1:00pm - 4:00pm	Seats (Total: 20) EDU 2102

EDCP318D **Applied Contextual Leadership; Facilitating Greek Community Dialogues**

EDCP318D Applied Contextual Leadership: Facilitating Greek Community Dialogues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Open only to members of fraternity and sorority organizations by the Office of Fraternity and Sorority Life. Offered to juniors who hold a chapter office position and/or seniors who hold an executive position excluding any current or past chapter president. Contact Tawana Twitty at ttwitty@umd.edu or (301) 314-7172 for permission to enroll. Designed to assist mid- to upper-level leaders of fraternities and sororities in gaining competencies and proficiency in leading an organization. Both small and large group discussions will be incorporated as well as addressing issues of leadership, organizational development and their application within the fraternity and sorority communities.

0101	Amie Jackson, Elizabeth Brown W 2:00pm - 5:00pm	Seats (Total: 25) HJP 1125

EDCP318I **Applied Contextual Leadership; Global Leadership**

EDCP318I *(PermReq)* **Applied Contextual Leadership: Global Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor. This course is restricted to students selected to participate in the Chevy Chase Leadership Internship Program.

0101	Megan O'Rourke, Daniel Ostick W 6:45pm - 8:45pm Contact instructor or department for details.	Seats (Total: 25) HBK 3134

EDCP318J **Applied Contextual Leadership; Leadership and Sports**

EDCP318J Applied Contextual Leadership: Leadership and Sports; (3 credits) Grade Method: REG/P-F/AUD.

0101	Terry Zacker TuTh 12:30pm - 1:45pm	Seats (Total: 25) SQH 2121

EDCP318L **Applied Contextual Leadership; Adaptive Strategies for Multicultural Leadership and Dialogue**

EDCP318L Applied Contextual Leadership: Adaptive Strategies for Multicultural Leadership and Dialogue; (3 credits) Grade Method: REG/P-F/AUD.
Freshman, Sophomore or Junior Standing. Credit will be granted for only one of the following: EDCP318L or BSOS301. Resident hall student leaders encouraged to enroll.

0101	Rhondie Voorhees Tu 3:30pm - 6:15pm	Seats (Total: 25) SQH 1107

EDCP318M **Applied Contextual Leadership; Leadership and Education**

EDCP318M *(PermReq)* **Applied Contextual Leadership: Leadership and Education; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor. All interested students must go through the America Reads*America Counts application process before registering for the class. Contact instructor for more information.

0101	Katie Conlon M 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 25) HBK 1112

EDCP318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

EDCP318N *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
This course is restricted to students selected to participate in the gui ded study program through the Counseling Center.

0101	Kimberly Bethea	Seats (Total: 20)
	Contact instructor or department for details.	

EDCP318T **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

EDCP318T *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Adventure Leadership Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of the instructor. Required course to become an Adventure Trip Leader for the Outdoor Recreation Center. Contact Mike Doyle to arrange an interview: mkdoyle@umd.edu. This is a leadership training course for potential Adventure Trip Leaders with the Outdoor Recreation Center. Student selection is based on previous leadership experience, leadership potential, and technical outdoor experience.

0101	Michael Doyle	Seats (Total: 20)
	W 7:00pm - 9:00pm	ERC B0170
	Contact instructor or department for details.	

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Special EDCP form required.

Contact department for information to register for this course.

EDCP417 **Advanced Leadership Seminar**

EDCP417 Advanced Leadership Seminar; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCP317 or equivalent; permission of department. Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized.

0101	Daniel Ostick	Seats (Total: 20)
	F 9:00am - 11:45am	JMP 2202

EDCP418A **Special Topics in Leadership; Asian American Leadership**

EDCP418A Special Topics in Leadership: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498I.

0101	Dharma Naik, Douglas Lee	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	EDU 2102

EDCP418D **Special Topics in Leadership; Leadership and Ethnicity**

EDCP418D Special Topics in Leadership: Leadership and Ethnicity; (3 credits) Grade Method: REG/P-F/AUD.

0101	Brandon Dula	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	COL 0100

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419M.

0101	Ari Israel	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ARC 1105

EDCP420 **Advanced Topics in Human Diversity and Advocacy**

EDCP420 *(PermReq)* **Advanced Topics in Human Diversity and Advocacy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: permission of department. This course will build upon students' knowledge of diversity in American society and will examine contemporary topics related to multiculturalism in educational and community contexts as well as strategies for advocacy in such venues. This course fulfills CORE requirements in diversity. Also offered as AAST498R.

0101	Stephanie Chang	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMP 1109

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP499A **Workshops, Clinics, Institutes; Transitioning to Careers in the Global Workforce**

EDCP499A Workshops, Clinics, Institutes: Transitioning to Careers in the Global Workforce; (2 credits) Grade Method: REG.
Restricted to Juniors and Seniors only.

0101	Linda Gast	Seats (Total: 20)
	Tu 1:00pm - 2:50pm	HBK 0115

EDCP499L **Workshops, Clinics, Institutes; Preparation to Lead Relationship Skills Workshops**

EDCP499L *(PermReq)* **Workshops, Clinics, Institutes: Preparation to Lead Relationship Skills Workshops; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Patricia Mielke Contact instructor or department for details.	Seats (Total: 25)

EDCP610 **Professional Orientation**

EDCP610 Professional Orientation; (3 credits) Grade Method: REG/AUD.
Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialling relevant legislation, current issues.

0201	Vivian Lee M 7:00pm - 9:45pm *Limited to School Counseling Students.*	Seats (Total: 20) EDU 3236
0301	Susan Komives W 1:00pm - 3:45pm *Limited to College Student Personnel Students.*	Seats (Total: 20) EDU 0206
IHP1	Debra Luecking, Kelli Crane, Dale Verstegen **Meets August 30, 2010 - December 17, 2010** Class time/details on ELMs	Seats (Total: 13) ONLINE

EDCP616 **Counseling II: Theory and Practice**

EDCP616 Counseling II: Theory and Practice; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCP 618. Counseling theories and the practices which stem from such theories. For EDCP majors only.

0101	Paul Gold Tu 4:15pm - 7:00pm *Limited to Students in the Masters Program.*	Seats (Total: 40) HBK 0115

EDCP618 **Counseling Skills: Introduction to Practicum**

EDCP618 Counseling Skills: Introduction to Practicum; (1 credit) Grade Method: REG.
Corequisite: EDCP616. For EDCP majors only.

0101	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0114
0201	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0206
0301	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 3233
0501	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0202

EDCP619B **Practicum in Counseling; College Student Personnel**

EDCP619B *(PermReq)* **Practicum in Counseling: College Student Personnel; (3 credits)** Grade Method: REG/AUD.

0101	Vivian Boyd Th 1:00pm - 3:45pm	Seats (Total: 4) ARC 1121

EDCP632 **Cognitive Assessment**

EDCP632 Cognitive Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: Limited to school psychology students or permission of department. Assessment of cognitive functioning of children and adolescents in reference to school learning and behavior problems. Administering, scoring and interpreting cognitive assessment instruments commonly used in school systems.

0101	William Strein W 4:15pm - 7:00pm	Seats (Total: 10) EDU 2102

EDCP635 **School Consultation I**

EDCP635 School Consultation I; (3 credits) Grade Method: REG/AUD.
Prerequisite: limited to school psychology students or permission of instructor. Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Sylvia Rosenfield Tu 9:30am - 12:15pm	Seats (Total: 10) EDU 2101

EDCP640 **School Psychology Seminar: Overview of the Specialty**

EDCP640 School Psychology Seminar: Overview of the Specialty; (1-2 credits) Grade Method: REG/AUD.
Limited to school psychology students or permission of instructor. Overviews the specialty of school psychology, including history of the specialty, roles and functions of school psychologists, and current professional issues related to the specialty.

0101	William Strein Tu 10:00am - 11:30am	Seats (Total: 10) EDU 1210B

EDCP651 **Group Counseling in Schools**

EDCP651 Group Counseling in Schools; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP 616. For school counseling and school psychology students only or permission of instructor. Issues and techniques of group counseling in schools.

0101	Julia Bryan W 4:15pm - 7:00pm	Seats (Total: 20) EDU 0206

EDCP656 **Counseling and Personnel Services Seminar**

EDCP656 Counseling and Personnel Services Seminar; (2 credits) Grade Method: REG/AUD.
Examination of issues that bear on professional issues such as ethics, interprofessional relationships and research.

0101	Susan Komives Tu 1:15pm - 3:45pm *For CSPA majors only.*	Seats (Total: 8) EDU 3233
0201	Julia Bryan M 8:00pm - 9:45pm *Limited to School Counseling and Rehabilitation students only*	Seats (Total: 15) EDU 3233

EDCP662 **Psychosocial and Medical Aspects of Disability**

EDCP662 *(PermReq)* **Psychosocial and Medical Aspects of Disability; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCP 610 or equivalent. Appraisal and understanding of the psychosocial and medical aspects of disability and chronic illness, including their nature, causes, functional aspects and treatment; understanding of how psychological and social factors influence the adjustment processes in disability.

0101	Ellen Fabian	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 3233

EDCP663 **Rehabilitation and Treatment of Mental and Emotional Disorders**

EDCP663 *(PermReq)* **Rehabilitation and Treatment of Mental and Emotional Disorders; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCP 610 or permission of department. Purpose and principles of rehabilitation and treatment methods of adolescents and adults with significant mental health disorders and dual diagnoses. Focus is on the individual as well as the family. The course includes information regarding etiology, assessment, treatment interventions, program planning, and program evaluation.

0101	Patricia Nemec	Seats (Total: 15)
	M 4:15pm - 7:00pm	EDU 0202

EDCP665 **Family and Social Support Systems**

EDCP665 Family and Social Support Systems; (3 credits) Grade Method: REG/AUD.
Recommended: EDCP 610. Principles and methods useful for understanding the role of family support systems in counseling. Specialized skills for counseling impaired adults and their families.

0101	Courtland Lee	Seats (Total: 20)
	M 4:15pm - 7:00pm	ASY 3217

EDCP668A **Special Topics in Rehabilitation; Job Development and Placement**

EDCP668A Special Topics in Rehabilitation: Job Development and Placement; (3 credits) Grade Method: REG/AUD.

IHP1	Kelli Crane, Dale Verstegen, Debra Luecking Class time/details on ELMs	Seats (Total: 13) ONLINE

EDCP682 **Counseling Psychology Didactic Practicum in Group Interventions**

EDCP682 Counseling Psychology Didactic Practicum in Group Interventions; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 682. Formerly EDCP718. In depth examination of theories and techniques of group interventions; supervised experience in group counseling.

0101	Pepper Phillips W 9:00am - 12:00pm	Seats (Total: 10) EDU 2102

EDCP685 **Counseling Psychology Didactic Practicum in Counseling Supervision**

EDCP685 Counseling Psychology Didactic Practicum in Counseling Supervision; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 685. Formerly EDCP745. In depth examinatin of theories and techniques of counseling supervision, supervised experience in the process of supervising counselors.

0101	Robert Lent M 1:00pm - 4:00pm	Seats (Total: 10) EDU 3236

EDCP692 **Assessment in Counseling Psychology I**

EDCP692 Assessment in Counseling Psychology I; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC 692. Formerly EDCP789F. Broad introduction to the construction of psychological tests and measures, and experience in test interpretation, with consideration of historical, legal, ethical, and cultural issues surrounding the assessment process. A required materials fee of $36 will be charged to the student's account.

0101	Matthew Miller M 1:00pm - 4:00pm	Seats (Total: 20) EDU 2102

EDCP697 **Multicultural Issues in Counseling Psychology**

EDCP697 Multicultural Issues in Counseling Psychology; (3 credits) Grade Method: REG.
Only open to Counseling Psychology majors. Also offered as PSYC697. Credit will be granted for only one of the following: EDCP697, EDCP699, or PSYC697. Formerly EDCP699. Exploration of knowledge, attitudes and skills for providing counseling and psychological services to culturally diverse populations.

0101	Matthew Miller Tu 1:00pm - 4:00pm	Seats (Total: 10) EDU 0206

EDCP735 **Seminar in Rehabilitation Counseling**

EDCP735 Seminar in Rehabilitation Counseling; (3 credits) Grade Method: REG. Part of the core curriculum for rehabilitation counselors. Designed to provide the advanced rehabilitation counseling student with a formal seminar to discuss, evaluate and attempt to reach personal resolution regarding pertinent professional problems and issues in the field.

0101	Courtland Lee Th 4:15pm - 7:00pm	Seats (Total: 10) Location: TBA
0201	Ellen Fabian Tu 1:15pm - 4:00pm *Limited to Rehabilitation Counseling Doctoral Students.*	Seats (Total: 15) EDU 2102

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi Th 9:00am - 12:15pm	Seats (Total: 10) Location: TBA

EDCP741 **Multicultural Practice in Student Affairs: Self, Education, and Society**

EDCP741 Multicultural Practice in Student Affairs: Self, Education, and Society; (2 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771. Credit will be granted for only one of the following: EDCP741 or EDCP789Z. Formerly EDCP789Z. Develop knowledge and skills in the area of multicultural practice in student affairs through the examination of oppression, power, and privilege and how these dynamics impact individuals, educational institutions, and societies.

0101	James McShay W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDCP746 **Clinical Supervision of Pupil Personnel Services**

EDCP746 Clinical Supervision of Pupil Personnel Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor For Advanced Doctoral Students Only.
Supervision of role of psychologists and counselors in school settings; applied skills in supervision of services.

0101	Sylvia Rosenfield Th 9:30am - 12:15pm	Seats (Total: 10) Location: TBA

EDCP772 **Research in College Student Personnel**

EDCP772 Research in College Student Personnel; (3 credits) Grade Method: REG.
Prerequisite: EDCP 656 or permission of instructor. Limited to college student personnel students only. Research designs and approaches to research in student development and higher education. Development of research for research competency or dissertation proposal.

0101	Karen Inkelas W 12:30pm - 3:15pm	Seats (Total: 30) EDU 3233

EDCP774 **Advanced Seminar in Theories of College Student Development**

EDCP774 Advanced Seminar in Theories of College Student Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771 or equivalent. An opportunity for in-depth study, dialogue, and reflection about theoretical frameworks for understanding the development of college students. Specific attention is given to enhancing knowledge and understanding of the development of students when social identities and their intersections are considered. Restricted to CSPA majors only.

0101	Stephen Quaye Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 3233

EDCP775 **Facilitating Student Learning in Higher Education**

EDCP775 *(PermReq)* **Facilitating Student Learning in Higher Education; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCP771 or permission of department. Doctoral standing. Application of selected models of college student development, learning styles, and related models of instruction to the assessment of characteristics and the design of learning environments. Open only to the Navy LEAD cohort.

0101	Matthew Johnson Tu 11:00am - 1:45pm	Seats (Total: 20) Location: TBA

EDCP788 **Advanced Practicum**

EDCP788 Advanced Practicum; (1-6 credits) Grade Method: REG/AUD.

0101	Courtland Lee M 1:00pm - 4:00pm	Seats (Total: 11) EDU 3233
0201	Ellen Fabian Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 3233

EDCP789A **Advanced Topics in Counseling and Personnel Services; Fellowship Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: Fellowship Seminar; (1-6 credits) Grade Method: REG/AUD.
Limited to CAPS Doctoral students only.

0101	Gary Gottfredson, Dennis Kivlighan F 12:00pm - 1:30pm	Seats (Total: 20) EDU 3236

EDCP789F **Advanced Topics in Counseling and Personnel Services; History of Mental Health and Psychological Science**

EDCP789F Advanced Topics in Counseling and Personnel Services: History of Mental Health and Psychological Science; (3 credits) Grade Method: REG/AUD.

0101	Gary Gottfredson Tu 1:00pm - 4:00pm	Seats (Total: 20) EDU 0202

EDCP789G **Advanced Topics in Counseling and Personnel Services; Race, Class, and Gender**

EDCP789G Advanced Topics in Counseling and Personnel Services: Race, Class, and Gender; (3 credits) Grade Method: REG/AUD.

0101	Stephen Quaye M 1:00pm - 3:45pm	Seats (Total: 20) EDU 0202

EDCP789I **Advanced Topics in Counseling and Personnel Services; Capstone Seminar**

EDCP789I Advanced Topics in Counseling and Personnel Services: Capstone Seminar; (3 credits) Grade Method: REG.

0101	Jim Osteen, Linda Clement W 4:15pm - 7:00pm	Seats (Total: 8) MIT 2108

EDCP789L **Advanced Topics in Counseling and Personnel Services; College Student Personnel Second Year Doctoral Seminar**

EDCP789L Advanced Topics in Counseling and Personnel Services: College Student Personnel Second Year Doctoral Seminar; (1 credit) Grade Method: REG/AUD.

Limited to College Student Personnel Doctoral Students.

0101	Barbara Jacoby Tu 2:00pm - 4:00pm	Seats (Total: 10) WDS 1131

EDCP789Q **Advanced Topics in Counseling and Personnel Services; Developmental Psychopathology**

EDCP789Q Advanced Topics in Counseling and Personnel Services: Developmental Psychopathology; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi W 9:30am - 12:15pm	Seats (Total: 10) EDU 3236

EDCP789X **Advanced Topics in Counseling and Personnel Services; Lifespan Development**

EDCP789X Advanced Topics in Counseling and Personnel Services: Lifespan Development; (3 credits) Grade Method: REG.

0101	Paul Gold Th 4:15pm - 7:00pm	Seats (Total: 20) JMZ 3120

EDCP789Y **Advanced Topics in Counseling and Personnel Services; Research Counseling**

EDCP789Y Advanced Topics in Counseling and Personnel Services: Research Counseling; (3 credits) Grade Method: REG/AUD.

0101	Julia Bryan M 7:00pm - 9:45pm	Seats (Total: 10) EDU 2101

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel Administration Apprenticeship**

EDCP888A *(PermReq)* **Apprenticeship in Counseling and Personnel Services: College Student Personnel Administration Apprenticeship; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	John Zacker Tu 1:30pm - 4:00pm	Seats (Total: 10) Location: TBA

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG.

0101	William Strein Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0301	Sylvia Rosenfield Contact instructor or department for details.	Seats (Total: 15)
0401	Gary Gottfredson Contact instructor or department for details.	Seats (Total: 15)
0501	Beth Warner Contact instructor or department for details.	Seats (Total: 15)

EDCP888G **Apprenticeship in Counseling and Personnel Services**

EDCP888G Apprenticeship in Counseling and Personnel Services; (1-6 credits) Grade Method: REG/AUD.
Restricted to School Counseling Students only.

0201	Courtland Lee Contact instructor or department for details.	Seats (Total: 10)

EDCP888R **Apprenticeship in Counseling and Personnel Services**

EDCP888R *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (3 credits)** Grade Method: REG/AUD.
For second year Rehabilitation Counseling students only.

0101	Kim MacDonald-Wilson	Seats (Total: 10)
	Th 7:00pm - 9:45pm	EDU 3233

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Fall 2010

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD220. An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education. Intended primarily for students planning to apply to the Early Childhood Education program.

0101	Natasha Cabrera M 1:00pm - 4:00pm	Seats (Total: 28) EDU 1315	

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD210. Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach. Intended primarily for students planning to apply to the Early Childhood Education Program.

0101	Jeanne Galbraith Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0102	Jeanne Galbraith Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0103	Jeanne Galbraith Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0104	Jeanne Galbraith Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0105	Jeanne Galbraith Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 Literature in the Early Childhood Classroom; (3 credits) Grade Method: REG.

For early childhood education majors only. Credit will be granted for only one of the following: EDCI443A or EDHD222. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Maria Salvadore Th 1:30pm - 4:30pm	Seats (Total: 23) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Jo-Ann Amadeo MW 11:00am - 12:15pm	Seats (Total: 40) SQH 1121
0201	Jo-Ann Amadeo MW 2:00pm - 3:15pm	Seats (Total: 35) PLS 1113
0301	Elisa Klein TuTh 2:00pm - 3:15pm	Seats (Total: 45) EDU 3315

EDHD285 **Designing Multimedia Computer Environments for Learners**

EDHD285 Designing Multimedia Computer Environments for Learners; (3 credits) Grade Method: REG.

For early childhood majors only. Freshman standing. A focus on the application of new computer technologies for learners in an educational setting. Topics to be explored: understanding the learner as a technology user, defining learning outcomes to be supported by technology, differing approaches to the technology design process and methods of technology integration in the classroom.

0101	Bonnie Mackintosh W 1:00pm - 4:00pm	Seats (Total: 25) EDU 0114

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Daniel Dinsmore TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 1112
0201	Cameron Richardson MW 11:00am - 12:15pm	Seats (Total: 40) JMP 2202
0301	Daniel Dinsmore TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 1121

EDHD315 **Reading in Early Childhood Classroom: Instruction and Materials Part II**

EDHD315 *(PermReq)* **Reading in Early Childhood Classroom: Instruction and Materials Part II; (3 credits)** Grade Method: REG.
Prerequisite: EDHD314. For early childhood majors only. This course builds on the theories and teaching strategies of EDHD314. Students will focus on teaching of reading and writing to primary grade students.

0101	Lea Christenson W 1:30pm - 3:30pm Contact instructor or department for details.	Seats (Total: 40) EDU 0212

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Alice Donlan TuTh 9:30am - 10:45am	Seats (Total: 45) HBK 0115
0201	Alice Donlan TuTh 12:30pm - 1:45pm	Seats (Total: 45) EDU 3315
0301	Danette Morrison TuTh 11:00am - 12:15pm	Seats (Total: 45) ARC 1105
0401	Danette Morrison TuTh 2:00pm - 3:15pm	Seats (Total: 45) SQH 1117
0501	Robert Marcus MW 11:00am - 12:15pm	Seats (Total: 45) COL 0113
0601	Jenna Cambria MW 2:00pm - 3:15pm	Seats (Total: 45) ASY 3203
0701	Robert Marcus TuTh 11:00am - 12:15pm	Seats (Total: 45) EDU 1107
0801	Melissa Duchene TuTh 9:30am - 10:45am	Seats (Total: 45) EDU 3315
0901	Cameron Richardson TuTh 9:30am - 10:45am	Seats (Total: 45) EDU 0212

1001	Melissa Duchene TuTh 11:00am - 12:15pm	Seats (Total: 45) COL 0100
1101	Shannon Russell TuTh 11:00am - 12:15pm	Seats (Total: 45) EDU 3315
1201	Sandra Loughlin TuTh 2:00pm - 3:15pm	Seats (Total: 45) TYD 2102
1301	Theresa Hoffmann MW 9:30am - 10:45am	Seats (Total: 45) EDU 0212
1401	Theresa Hoffmann MW 11:00am - 12:15pm	Seats (Total: 45) EDU 0212

EDHD321 **The Young Child as Scientist**

EDHD321 *(PermReq)* **The Young Child as Scientist; (2 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD322, EDHD323, EDHD315, EDHD435. For early childhood majors only. Senior standing. Provides theoretical and practical knowledge for teaching science in early childhood classrooms. Appropriate teaching strategies and materials of instruction are presented for diverse settings. Includes field experience.

0101	Anne Horne M 8:30am - 10:00am Contact instructor or department for details.	Seats (Total: 40) EDU 3315

EDHD322 **The Young Child as Mathematician**

EDHD322 *(PermReq)* **The Young Child as Mathematician; (3 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD323, EDHD315, EDHD435. For early childhood majors only. Senior standing. Engages early childhood education majors in mathematics as a creative process and dynamic way of thinking. Throughout this process students will acquire the pedagogical knowledge important to teaching mathematics in grades pre-K through 3. Includes field experience.

0101	Bonnie Mackintosh W 8:30am - 10:30am Contact instructor or department for details.	Seats (Total: 40) EDU 2121	

EDHD323 **Children Study Their World**

EDHD323 *(PermReq)* **Children Study Their World; (2 credits)** Grade Method: REG. *Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD322, EDHD315, EDHD435. For early childhood majors only. Senior standing.* Provides a theoretical framework for pre-service teachers to understand and implement a developmentally appropriate social studies curriculum. The focus will be on methods of implementing theories of child development and curriculum, which foster higher level thinking skills in young children. Includes field experience.

0101	Elisa Klein W 10:45am - 12:15pm Contact instructor or department for details.	Seats (Total: 40) EDU 1121	

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Tu 3:30pm - 6:15pm Class time/details on ELMs	Seats (Total: 150) BPS 1250 ONLINE	 Discussion

EDHD401 **Promoting Optimal Aging**

EDHD401 Promoting Optimal Aging; (3 credits) Grade Method: REG.
Prerequisite: EDHD320, or EDHD400, or permission of department. Also offered as EDHD641. Credit will be granted for only one of the following: EDHD401 or EDHD641.
Theoretical, research, and applied issues related to optimal aging from psychological, biological, and societal perspectives. Group or individual projects involving direct field experiences.

0101	Elizabeth Robertson-Tchabo W 9:30am - 12:15pm	Seats (Total: 30) EDU 3233

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD.
Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0201	Jennie Lee-Kim W 9:00am - 11:45am	Seats (Total: 28) EDU 1315
0301	Geetha Ramani Th 1:00pm - 3:45pm	Seats (Total: 30) EDU 0212
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0401	Geetha Ramani Tu 9:30am - 12:15pm	Seats (Total: 40) ARC 1101
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG.
Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Sections 0101-0301 are for the secondary education majors only.

0101	Ebony Dashiell-Aje Tu 1:00pm - 3:45pm	Seats (Total: 35) ARC 1101
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0201	Jennie Lee-Kim Th 9:30am - 12:15pm	Seats (Total: 35) ARC 1103
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0301	Ann Battle Tu 1:00pm - 3:45pm	Seats (Total: 25) KNI 1103
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0401	Jennie Lee-Kim M 9:00am - 11:45am	Seats (Total: 30) HBK 0105

EDHD419A **Human Development and Learning in School Settings; Infancy and Preschool**

EDHD419A *(PermReq)* **Human Development and Learning in School Settings: Infancy and Preschool; (3 credits)** Grade Method: REG/AUD.

0101	Brenda Jones Harden Tu 1:00pm - 4:00pm	Seats (Total: 38) TYD 0102

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG. *Prerequisite: either EDHD300, EDHD320, EDHD411, PSYC355, PSYC341 or permission of department.* Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	Liliana Maggioni MW 11:00am - 12:15pm	Seats (Total: 35) TWS 0205

EDHD425 **Language Development and Reading Acquisition**

EDHD425 *(PermReq)* **Language Development and Reading Acquisition; (3 credits)** Grade Method: REG/AUD.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. Restricted to Early Childhood Education majors (0823P).

0201	Megan Hurley TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2111
0301	Meghan Parkinson W 1:00pm - 3:45pm	Seats (Total: 40) EDU 1121
0401	Donald Bolger MW 11:00am - 12:15pm	Seats (Total: 30) EDU 0306
0501	Min Wang M 1:00pm - 3:45pm	Seats (Total: 46) EDU 1121
0601	Meredith Rowe Th 1:00pm - 4:00pm *Restricted to Early Childhood Education majors (0823P).*	Seats (Total: 0) HBK 0109

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified.

0201	Christopher Ascienzo Tu 4:15pm - 7:00pm	Seats (Total: 25) TYD 1114
0501	Emily Freed W 4:15pm - 7:00pm	Seats (Total: 26) EDU 0212

0601	Christopher Ellis Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315

EDHD427 **Constructing and Integrating the Early Childhood Curriculum**

EDHD427 *(PermReq)* **Constructing and Integrating the Early Childhood Curriculum; (3 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD313, EDHD314, EDSP470. Corequisites: EDHD323, EDHD321, EDHD322, EDHD315, EDHD435. For early childhood majors only. Senior standing. Explores the world from the child's perspective and constructs curriculum based on cognition, learning, and children's experiences. The integrated curriculum is the overarching framework for this course. Includes field experience.

0101	Brenda Jones Harden M 1:30pm - 3:30pm Contact instructor or department for details.	Seats (Total: 40) EDU 3315

EDHD430 **Adolescent Violence**

EDHD430 Adolescent Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or permission of department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus M 4:15pm - 7:00pm	Seats (Total: 40) EDU 3315

EDHD435 **Effective Components of the Early Childhood Classroom**

EDHD435 *(PermReq)* **Effective Components of the Early Childhood Classroom; (3 credits)** Grade Method: REG.
Prerequisites: EDHD314, EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD322, EDHD323, EDHD315. For early childhood majors only. Senior standing. Explores three topics integral to effective, child-centered early childhood classrooms: assessment, classroom management and parent involvement. Includes field experience.

0101	Christy Tirrell-Corbin M 10:30am - 12:30pm Contact instructor or department for details.	Seats (Total: 40) EDU 3315

EDHD445 **Guidance of Young Children**

EDHD445 Guidance of Young Children; (3 credits) Grade Method: REG/AUD. *Prerequisite: PSYC100 or permission of department.* Practical aspects for helping and working with children, drawing on research, clinical studies, and observation. Implications for day care and other public issues.

0101	Allison Meisch Tu 6:00pm - 8:45pm	Seats (Total: 40) KEY 1117
0301	Megan Kelly MW 2:00pm - 3:15pm	Seats (Total: 40) SQH 2117

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/AUD. *Prerequisite: PSYC100 or permission of department.* Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings. (May not be substituted for EDHD300 by students in professional teacher education programs.)

0101	Meghan Parkinson M 9:30am - 12:15pm	Seats (Total: 40) HBK 0103

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498J **Special Problems in Education; Context and Culture in the study of peer and parent-child relationships.**

EDHD498J *(PermReq)* **Special Problems in Education: Context and Culture in the study of peer and parent-child relationships.; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kenneth Rubin	Seats (Total: 15)
	TBA	EDU 1108

EDHD498N **Special Problems in Education; Factors Influencing the Social and Emotional Development of Young Children**

EDHD498N *(PermReq)* **Special Problems in Education: Factors Influencing the Social and Emotional Development of Young Children; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Nathan Fox	Seats (Total: 15)
	TBA	EDU 4315

EDHD600 **Introduction to Human Development and Child Study**
Contact department for information to register for this course.

EDHD619J **Advanced Scientific Concepts in Human Development; Adolescent Development**

EDHD619J *(PermReq)* **Advanced Scientific Concepts in Human Development: Adolescent Development; (3 credits)** Grade Method: REG/AUD.

0101	Ann Battle	Seats (Total: 1)
	Tu 1:00pm - 3:45pm	KNI 1103

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: S-F.

0101	Natasha Cabrera **Meets September 1, 2010 - December 10, 2010** W 11:45am - 2:15pm	Seats (Total: 20) EDU 3315

EDHD690 **History and Systems in Human Development**

EDHD690 History and Systems in Human Development; (3 credits) Grade Method: REG.
History of the field of human development; philosophical basis of major theoretical paradigms.

0101	Melanie Killen Th 1:00pm - 3:45pm	Seats (Total: 22) EDU 3236

EDHD692 **Cognitive Basis of Instruction**
Contact department for information to register for this course.

EDHD718 **Apprenticeship in College Teaching; Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching: Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle Contact instructor or department for details.	Seats (Total: 10)

EDHD720 **Social Development and Socialization Processes**

EDHD720 *(PermReq)* **Social Development and Socialization Processes; (3 credits)** Grade Method: REG.
Formerly EDHD820. This course covers social development and socialization processes across the life-span. The course typically covers the following topics: parent-child relationships, peer relationships, moral development, social cognition, social competence, social motivation, self-regulation, and cultural influences on development. This is core doctoral course. This course can be used in place of EDHD 602.

0101	Kathryn Wentzel Tu 4:15pm - 7:00pm	Seats (Total: 18) EDU 3236

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits) Grade Method: REG/AUD.
3 semester hours. Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Donald Bolger	Seats (Total: 20)
	Tu 1:30pm - 4:10pm	EDU 0114

EDHD722 **Learning Theory and the Educative Process II**

EDHD722 Learning Theory and the Educative Process II; (3 credits) Grade Method: REG.
Prerequisite: EDHD 721 or permission of department. Advanced study of theories, issues and research in several categories of cognition and learning applied to education and the helping professions.

0101	Patricia Alexander	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0114

EDHD760 **Advanced Educational Psychology**

EDHD760 Advanced Educational Psychology; (3 credits) Grade Method: REG.
Prerequisite: prior course in educational psychology, learning, or cognition, or permission of department. Appplication of psychology to learning processes and theories. Individual differences, measurement, motivation, and intelligence.

0101	Patricia Alexander	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3315

EDHD775 **Psychophysiological Processes in Human Development I**

EDHD775 *(PermReq)* **Psychophysiological Processes in Human Development I; (3 credits)** Grade Method: REG.
Prerequisite: EDHD 601 or permission of department. Formerly EDHD810. Course focuses on the biological bases of human behavior including physiological processes which have an impact on human development.

0101	Nathan Fox M 1:00pm - 3:45pm	Seats (Total: 17) EDU 1108

EDHD779C **Special Topics in Human Development; Fathering and Parenting**

EDHD779C Special Topics in Human Development: Fathering and Parenting; (3 credits) Grade Method: REG.

0101	Natasha Cabrera W 3:00pm - 5:45pm	Seats (Total: 20) EDU 3315

EDHD779Q **Special Topics in Human Development; Bilingual/Bilieracy Acquisition**

EDHD779Q Special Topics in Human Development: Bilingual/Bilieracy Acquisition; (3 credits) Grade Method: REG.

0101	Min Wang W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3236

EDHD779V **Special Topics in Human Development; Advanced Research Methods**

EDHD779V Special Topics in Human Development: Advanced Research Methods; (3 credits) Grade Method: REG.
Prerequisite: EDHD780.

0101	Kathryn Wentzel F 10:00am - 1:00pm	Seats (Total: 10) EDU 1210B

EDHD779W **Special Topics in Human Development; Achievement Motivation**
Contact department for information to register for this course.

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Special Problems in Education**

EDHD798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD821 **Socialization Processes in Human Development II**

EDHD821 Socialization Processes in Human Development II; (3 credits) Grade Method: REG.
Prerequisite: EDHD720 or permission of department. Advanced doctoral seminar on socialization and social development with consideration of selected topics introduced in EDHD 720. Identification of research problems and areas of application.

0101	Kenneth Rubin	Seats (Total: 15)
	Tu 1:00pm - 3:45pm	EDU 1108

EDHD870 **The Role of Research in Current Federal Initiatives in Early Childhood Education and Development**

EDHD870 The Role of Research in Current Federal Initiatives in Early Childhood Education and Development; (3 credits) Grade Method: REG.
This course focuses on the ways in which child development and early education research supports and directs federal initiatives regarding early childhood.

0101	Elisa Klein	Seats (Total: 20)
	Th 4:15pm - 7:00pm	KNI 1103

EDHD878 **Team Research in Human Development**

EDHD878 Team Research in Human Development; (3 credits) Grade Method: REG.

0101	Judith Torney-Purta	Seats (Total: 10)
	M 4:15pm - 7:00pm	EDU 1108

EDHD888 **Apprenticeship in Education**

EDHD888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Internship in Education**

EDHD889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Fall 2010

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Charles Blake, Nichole Howe, Mark Brimhall **Meets August 31, 2010 - October 12, 2010** Tu 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A
0201	Mark Brimhall, Alison Mojto, Dai-An Tran **Meets October 18, 2010 - December 12, 2010** W 4:00pm - 6:00pm	Seats (Total: 14) SHR 106A

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Mark Brimhall, Jabari Bodrick, Erin McClure **Meets August 30, 2010 - October 11, 2010** M 4:00pm - 6:00pm	Seats (Total: 14) SHR 0106A
0201	James Carlough, Mark Brimhall, Edith Stevens **Meets October 19, 2010 - December 7, 2010** Tu 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Mark Brimhall, Erik Hanson, Holly Ulmer **Meets September 1, 2010 - October 13, 2010** W 4:00pm - 6:00pm	Seats (Total: 14) SHR 0106A

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Class**

EDHI338K *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Socioeconomic Class; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Mark Brimhall, Craig Leets, Sandra Baker **Meets September 2, 2010 - October 14, 2010** Th 4:30pm - 6:30pm	Seats (Total: 14) SHR 0106A

EDHI338R **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; US/Foreign Born**

EDHI338R *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: US/Foreign Born; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Pragati Godbole, Mark Brimhall, Elizabeth Barkley **Meets October 18, 2010 - December 6, 2010** M 4:00pm - 6:00pm	Seats (Total: 14) SHR 0106A

EDHI488A **Special Topics in Education Policy and Administration; Education for Global Peace**

EDHI488A Special Topics in Education Policy and Administration: Education for Global Peace; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDHI681.

0101	Jing Lin Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI605 **Comparative Education**

EDHI605 Comparative Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI605, EDPL605, or EDPS605. Formerly EDPL605. Analyzes and compares leading issues in education in various countries of the world, particularly as they relate to crucial problems in American education.

0101	Nelly Stromquist	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1107

EDHI606 **Political Economy of Education in a Global Context**

EDHI606 Political Economy of Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDPL788Q in 2001 through 2004. Credit will be granted for only one of the following: EDHI606, EDPL606, or EDPS606. Formerly EDPL606. Examination of alternative economics perspectives and their implications for education policy and practice internationally, from local to global levels. The connection of education to issues of development, inequality, poverty, gender, and race will be discussed.

0101	Steven Klees	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2102

EDHI640 **Introduction to Educational Leadership**

EDHI640 Introduction to Educational Leadership; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI640, EDPL640, or EDPS640. Formerly EDPL640. The focus of this course is the analysis of the role of education administrators/leaders in the social, political, and legal contexts of schools. Also examines the role of leadership in school improvement.

0101	Nelson McLeod	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 2102

EDHI641 **Planning and Goal Setting In Educational Organizations**

EDHI641 Planning and Goal Setting In Educational Organizations; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI641, EDPL641, or EDPS641. Formerly EDPL641. Essential aspects of planning for educational organizations addressed through case studies in instructional programming, community involvement, fiscal and physical planning.

0101	Thomas Davis	Seats (Total: 20)
	Th 7:00pm - 9:45pm	EDU 2101

EDHI646 **Leading Instructional Excellence**

EDHI646 Leading Instructional Excellence; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHI/EDPL/EDPS645 or permission of instructor. Credit will be granted for only one of the following: EDHI646, EDPL646, or EDPS646. Formerly EDPL646. Leader's role in fostering high quality teaching and learning. Exploration of the relationship between curriculum instruction assessment and the organizational structure of K-12 public schooling. Development and assessment of frameworks for understanding instructional quality. Analysis of strategies for supporting teachers as they engage in curricular and professional development. Consideration of factors involved in creating and sustaining instructionally centered schools.

0101	Patricia Richardson	Seats (Total: 20)
	Th 4:15pm - 6:50pm	EDU 2101

EDHI650 **Professional Seminar in Higher and Adult Education**

EDHI650 Professional Seminar in Higher and Adult Education; (3 credits) Grade Method: S-F.
Credit will be granted for only one of the following: EDHI650, EDPL650, or EDPS650. Formerly EDPL650. Introduction to higher and adult education as a field of study. Origins, current dimensions and problems, and emerging issues. Field trips to state and national capitols, and involvement in professional conferences.

0101	Sharon Fries-Britt	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 1107

EDHI652 **Higher Education in American Society**

EDHI652 Higher Education in American Society; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI652, EDPL652, or EDPS652. Formerly EDPL652. Examines the concepts of academic freedom, corporate autonomy and institutional accountability with emphasis on twentieth century relationships between higher education and government in the United States.

0101	Alberto Cabrera	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1107

EDHI657 **History of Higher Education in the United States**

EDHI657 History of Higher Education in the United States; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI657, EDPL657, or EDPS657. Formerly EDPL657. History of higher education in America from colonial times to the present with emphasis on expansion of higher education and the growing complexity of its structures, organization, and purposes.

0101	KerryAnn O'Meara	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 1107

EDHI660 **Retention Theories and the Impact of College**

EDHI660 Retention Theories and the Impact of College; (3 credits) Grade Method: REG.

0101	Sharon Fries-Britt Tu 7:00pm - 9:45pm	Seats (Total: 20) EDU 1107

EDHI663 **Philanthropy and Fundraising in Higher Education**

EDHI663 Philanthropy and Fundraising in Higher Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI663 or EDHI788D. Formerly EDHI788D. A critical look at how philanthropy and fundraising has affected American Higher Education. Topics will include: a history and overview of philanthropy, motivations of and traditions of giving in different populations, ethics, and critical issues within educational and advancement.

0101	Noah Drezner W 7:00pm - 9:45pm	Seats (Total: 20) EDU 1315

EDHI664 **The College Experience**

EDHI664 The College Experience; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. For EDHI, EDPL, and EDPS majors only. Credit will be granted for only one of the following: EDHI664, EDPL664, or EDPS664. Formerly EDPL664. Designed to provide students with an overview of the research and scholarship on two of the major stakeholders in higher education -- students and faculty. Examines the educational experiences of college students in and out of the classroom in higher education in the United States by focusing on what students learn and the different collegiate experiences that influence their learning.

0101	Alberto Cabrera Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1107

EDHI667 **Women in Higher Education**

EDHI667 Women in Higher Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI667 or EDHI788A. Formerly EDHI788A. A comprehensive overview of the history, present condition, and current research on women students, faculty, adminstrators, and staff in higher education. Explores why and how women and men experience higher educaton differently, by drawing on historical, cultural, and psychological contexts, feminist theoretical and research perspectrives and recent research in various disciplines.

0101	KerryAnn O'Meara M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHI670 **Learning Communities**
Contact department for information to register for this course.

EDHI672 **Modes of Inquiry in Education Research**

EDHI672 Modes of Inquiry in Education Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI672, EDPL672, or EDPS672. Formerly EDPL672. Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

0101	Steven Klees M 7:00pm - 9:45pm	Seats (Total: 20) EDU 3315

EDHI674 **Minority Serving Institutions**

EDHI674 Minority Serving Institutions; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI674 or EDHI788Q. Formerly EDHI788Q. Definitions and designations of Minority Serving Institutions vary; however they traditionally include Historically Black Colleges and Universities, Hispanic-Serving Institutions, and Tribal Colleges and Universities. Exploring these institutions as well as some non-traditional MSIs including, Deaf Serving Institutions and Asian American and Pacific Islander Serving Institutions.

0101	Noah Drezner Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 3236

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI681 **Education for Global Peace**

EDHI681 Education for Global Peace; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI681, EDPL681, or EDPS681. Formerly EDPL681. This course will examine how education can address the threats of violence and wars. It prepares students to teach about peace, nonviolence, and conflict resolution, and also to analyze and implement changes in school and society to contribute to peace and non-violence. Also offered as EDHI488A.

0101	Jing Lin	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2102

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 *(PermReq)* **Practicum In Educational Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI700 **Qualitative Research Methods in Education**

EDHI700 Qualitative Research Methods in Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI700, EDPL700, or EDPS700. Formerly EDPL700. Qualitative methods in education research, emphasizing the paradigms of philosophy, history, sociology, anthropology, and comparative studies as they rely on narrative rather than quantitative ordering of data.

0101	Hanne Mawhinney	Seats (Total: 16)
	M 4:15pm - 7:00pm	EDU 3236

EDHI754 **Higher Education Finance**

EDHI754 Higher Education Finance; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI754, EDPL754, or EDPS754. Formerly EDPL754. Economic perspectives on higher education. Ways of financing higher education and current finance issues. Higher education budget concepts and processes.

0101	Marvin Titus	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0202

EDHI788N **Special Topics in Education Policy and Administration; Non Formal Education**

EDHI788N Special Topics in Education Policy and Administration: Non Formal Education; (3 credits) Grade Method: REG/AUD.

0101	Nelly Stromquist	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 2102

EDHI788P **Special Topics in Education Policy and Administration; Educational Politics**

EDHI788P Special Topics in Education Policy and Administration: Educational Politics; (3 credits) Grade Method: REG.

IHP1	Todd Rosa	Seats (Total: 16)
	Meets September 1, 2010 - December 8, 2010	
	M 5:00pm - 7:30pm	Location: TBA

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI895 **Research Critique Seminar**

EDHI895 Research Critique Seminar; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI895, EDPL895, or EDPS895. Formerly EDPL895.* Critiques of research designs in preparation for the doctoral dissertation.

0101	Marvin Titus	Seats (Total: 10)
	Tu 4:15pm - 7:00pm	EDU 2101

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Fall 2010

EDMS410 **Classroom Assessment**

EDMS410 *(PermReq)* **Classroom Assessment; (3 credits)** Grade Method: REG/AUD.
Junior standing. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions. Restricted to Elementary Education majors with Junior standing and permission of instructor. Contact jfroh@umd.edu with questions.

0101	Kathryn Alvestad M 1:00pm - 3:45pm	Seats (Total: 20) EDU 0212
0201	Bradley Coverdale Tu 1:00pm - 3:45pm	Seats (Total: 20) PLS 1158
0301	Kathryn Alvestad Class time/details on ELMs	Seats (Total: 20) ONLINE

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD.
Sophomore standing. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Youngmi Cho TuTh 12:30pm - 1:45pm	Seats (Total: 100) JMP 3201
0201	Ying Li MW 12:30pm - 1:45pm	Seats (Total: 30) EDU 1107
0301	Yuan Zhang TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 1121

EDMS610 **Classroom Assessment and Evaluation**

EDMS610 Classroom Assessment and Evaluation; (3 credits) Grade Method: REG/AUD.
Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.

0101	Kathryn Alvestad Tu 1:00pm - 3:45pm	Seats (Total: 20) EDU 0212
IHP1	Kathryn Alvestad Class time/details on ELMs	Seats (Total: 20) ONLINE
	Outreach Offering, EDMS PBCAE Program. Departmental permission required	

EDMS622 **Theory and Practice of Standardized Testing**

EDMS622 Theory and Practice of Standardized Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 45l; or EDMS 645. Principles of interpretation and evaluation of aptitude, achievement, and personal-social instruments; theory of reliability and validity; prediction and classification; norm- and criterion-referenced testing concepts.

IHP1	Carolyn Fidelman Class time/details on ELMs	Seats (Total: 14) ONLINE
	Outreach Offering, EDMS PBCAE Program. Departmental permission required	

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD.
Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Hong Jiao Tu 4:15pm - 7:00pm	Seats (Total: 30) TWS 0221
0201	George Macready W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220

OM11	George Macready **Meets September 3, 2010 - December 16, 2010** Th 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) Location: TBA ONLINE
	Outreach Offering. Departmental Permission Required.	

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Hong Jiao W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0114
0201	Andre Rupp Th 4:15pm - 7:00pm	Seats (Total: 30) HBK 1108

EDMS647 **Introduction to Program Evaluation**

EDMS647 Introduction to Program Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 645. Overview of the program evaluation process; problems encountered in the practice of program evaluation. Offered fall only.

0101	Kathryn Alvestad Class time/details on ELMs	Seats (Total: 25) ONLINE

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646 or equivalent. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring Tu 4:15pm - 7:00pm	Seats (Total: 40) EDU 0220

EDMS657 **Factor Analysis**

EDMS657 Factor Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 651. Development of models for factor analysis and their practical applications. Treatment of factor extraction, rotation, second-order factor analysis, and factor scores. Introduction to linear structural relations models.

0101	Gregory Hancock Th 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDMS738B **Seminar in Special Problems in Measurement; Bayesian Inference with Measurement Models**

EDMS738B Seminar in Special Problems in Measurement: Bayesian Inference with Measurement Models; (3 credits) Grade Method: REG/AUD.

0101	Robert Mislevy M 4:15pm - 7:00pm	Seats (Total: 15) EDU 0114

EDMS738D **Seminar in Special Problems in Measurement; Modern Diagnostic Measurement**

EDMS738D Seminar in Special Problems in Measurement: Modern Diagnostic Measurement; (3 credits) Grade Method: REG/AUD.

0101	Andre Rupp W 4:15pm - 7:00pm	Seats (Total: 15) EDU 1315

EDMS747 **Design of Program Evaluations**

EDMS747 Design of Program Evaluations; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDMS 626; and EDMS 647; and EDMS 651 or permission of both department and instructor. Analysis of measurement and design problems in program evaluations.

0101	Robert Lissitz Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 0202

IHP1	Robert Lissitz Tu 4:15pm - 7:00pm	Seats (Total: 1) Location: TBA

EDMS779 **Seminar in Applied Statistics; Mathematical Foundations and Simulation Techniques**

EDMS779 *(PermReq)* **Seminar in Applied Statistics: Mathematical Foundations and Simulation Techniques; (1-3 credits)** Grade Method: REG/AUD.

0101	Jeffrey Harring Tu 7:00pm - 9:45pm	Seats (Total: 15) EDU 0212

EDMS798 **Special Problems in Education**

EDMS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Fall 2010

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Pam Splaine Tu 10:00am - 12:45pm	Seats (Total: 30) COL 0101
0201	Julie Zdanoski TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0301	Julie Zdanoski MW 11:00am - 12:15pm	Seats (Total: 30) EDU 0114

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDPL301 or EDPS301. Formerly EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) EDU 1107

0301	Kasra Sotudeh MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107
0401	Eleonor Castillo MW 4:15pm - 5:30pm	Seats (Total: 30) HBK 0105
0501	John Splaine Tu 10:00am - 12:45pm	Seats (Total: 30) EDU 3233
0601	Kasra Sotudeh TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS615 **Economics of Education**

EDPS615 Economics of Education; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI615, EDPL615, or EDPS625. Formerly EDPL615.* An introduction to the application of economic principles to the study of education policy. The course content revolves around issues of efficiency, equity, and freedom of choice. Specific attention is devoted to school finance litigation and reform, practices for raising and allocating resources, and education productivity issues.

0101	Jennifer Rice M 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDPS620 **Education Policy Analysis**

EDPS620 Education Policy Analysis; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI620, EDPL620, or EDPS620. Formerly EDPL620. Policy making in education from planning to evaluation with emphasis on the identification of policy problems and the resources available to analysts through multi-disciplinary approaches. An introductory experience with education policy analysis.

0101	Betty Malen	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2101

EDPS624 **Culture in Education Policy and Practice**

EDPS624 Culture in Education Policy and Practice; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI624, EDPL624, or EDPS624. Formerly EDPL624. Focuses on the exploration of culture as it shapes and is reflected in education purposes, policies and practices. Participants will have opportunities to engage in cultural analysis, to analyze unfamiliar cultural habits and associations, to develop a focus for intensive comparative cultural study in education, and to integrate a field work component into their studies.

0101	Paul Akridge	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2101

EDPS634 **The School Curriculum**

EDPS634 The School Curriculum; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI634, EDPL634, or EDPS634. Formerly EDPL634. A foundations course embracing the curriculum as a whole from early childhood through adolescence, including a review of historical developments, an analysis of conditions affecting curriculum change, an examination of issues in curriculum making, and a consideration of current trends in curriculum design.

0101	Steven Selden	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 2101

EDPS635 **Principles of Curriculum Development**

EDPS635 Principles of Curriculum Development; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI635, EDPL635, or EDPS635. Formerly EDPL635. Curriculum planning, improvement, and evaluation in the schools; principles for the selection and organization of the content and learning experiences; ways of working in classroom and school on curriculum improvement.

0101	Mary Snyder	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 1210B

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS731 **Transcultural Education Policy and Practice**

EDPS731 Transcultural Education Policy and Practice; (3 credits) Grade Method: REG/AUD.
Recommended: EDHI/EDPL/EDPS624 or a cultural studies equivalent. Credit will be granted for only one of the following: EDHI731, EDPL731, or EDPS731. Formerly EDPL731.

0101	Barbara Finkelstein	Seats (Total: 12)
	Th 4:15pm - 7:00pm	EDU 1315

EDPS736 **Phenomenological Inquiry II**

EDPS736 Phenomenological Inquiry II; (3 credits) Grade Method: REG.
Prerequisite: EDHI/EDPL/EDPS735. Credit will be granted for only one of the following: EDHI736, EDPL736 or EDPS736. Formerly EDPL736. This advanced course in phenomenological methodology provides an expanded philosophic and methodological grounding for conducting phenomenological research. Attention is given to the development of phenomenological projects through the process of phenomenological writing. It is especially relevant for persons interested in the study of lived meanings in the domains of education, psychology, counseling, the health sciences and related academic and professional fields.

0101	Francine Hultgren Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 0202

EDPS757 **College Teaching**

EDPS757 College Teaching; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI757, EDPL757, or EDPS757. Formerly EDPL757. Critical review of literature on teaching in higher education from conceptual and practical viewpoints. Designed for current and prospective adult educators. Focused on research and improvement of instruction.

0101	Steven Selden W 4:15pm - 7:00pm	Seats (Total: 20) EDU 1210B

EDPS788A **Special Topics in Education Policy and Administration; Research Apprenticeship**

EDPS788A Special Topics in Education Policy and Administration: Research Apprenticeship; (3 credits) Grade Method: REG.

OM11	Betty Malen, Jennifer Rice W 4:15pm - 7:00pm *EDPS Outreach Offering at PGCPS, Sasscer Building, Upper Marlboro, MD. Contact Dr. Betty Malen with questions at malen@umd.edu.*	Seats (Total: 10) Location: TBA

EDPS788B **Special Topics in Education Policy and Administration; Professional Seminar in Education Policy Studies**

EDPS788B Special Topics in Education Policy and Administration: Professional Seminar in Education Policy Studies; (3 credits) Grade Method: REG/AUD.

0101	Robert Croninger Th 7:00pm - 9:45pm	Seats (Total: 20) EDU 1107

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

EDPS888 Apprenticeship in Education; (3 credits) Grade Method: REG/AUD.

0101	Dennis Herschbach	Seats (Total: 10)
	Contact instructor or department for details.	

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Fall 2010

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/AUD. *Class Standing: Freshman or Sophomore or permission of department. Not open to students who have completed EDSP470. Credit will be granted for only one of the following: EDSP210 or EDSP470.* Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Carolyn Fink TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 1121
0201	Asha-Lateef Williams TuTh 12:30pm - 1:45pm	Seats (Total: 35) EDU 1107

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Shannon Negussie MW 5:00pm - 6:15pm	Seats (Total: 27) TYD 0111
0201	Shannon Negussie MW 6:15pm - 7:30pm	Seats (Total: 27) TYD 0111

EDSP400 **Functional Assessment and Instruction in Special Education**

EDSP400 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. 3 semester hours. Also offered as EDSP602. Credit will be granted for only one of the following: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood. Practicum required. Placement arranged for those students not concurrently enrolled in EDSP 421, EDSP 434, or EDSP 452.

0101	Frances Kohl	Seats (Total: 40)
	W 4:15pm - 7:00pm	EDU 1121

EDSP402 **Field Placement: Severe Disabilities I**

EDSP402 Field Placement: Severe Disabilities I; (2-5 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisites: EDSP400 and EDSP404; or permission of department. Practicum experience in settings serving severely disabled individuals. Enrollment limited to those admitted to severely handicapped specialty area. Field placement for two to five half-days per week.

0101	Andrew Egel	Seats (Total: 10)
	Contact instructor or department for details.	

EDSP404 **Education of Students with Autism**

EDSP404 Education of Students with Autism; (3 credits) Grade Method: REG/AUD.
Pre- or corequisites: {EDSP400 and EDSP402} or permission of department. Also offered as EDSP604. Credit will be granted for only one of the following: EDSP404 or EDSP604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic.

0101	Andrew Egel	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 1315

EDSP406 **Field Placement I**

EDSP406 Field Placement I; (1 credit) Grade Method: REG/AUD.
Restricted to students with the following major codes: EDSP, and 0808P. Credit will be granted for only one of the following: EDSP322 or EDSP406. Formerly EDSP322. Practicum experience in special education.

0101	M Brown	Seats (Total: 15)	
	F 10:00am - 12:00pm	EDU 1121	
	Tu 8:00am - 1:00pm	Location: TBA	Lab

0201	M Brown F 10:00am - 12:00pm W 8:00am - 1:00pm	Seats (Total: 15) EDU 1121 Location: TBA	Lab

EDSP413 **Behavior and Classroom Management in Special Education**

EDSP413 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP613. Credit will be granted for only one of the following: EDSP321, EDSP413, or EDSP613. Formerly EDSP321. Use of applied behavior analysis for assessment of behavior and learning environments. Design of behavior and classroom management of students in special education.

0101	Paul Livelli TuTh 5:00pm - 6:15pm	Seats (Total: 28) HBK 1112
0201	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 1121

EDSP420 **Characteristics of Infants & Young Children: Early Childhood Special Education**

EDSP420 Characteristics of Infants & Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP626. Credit will be granted for only one of the following: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. Practicum required. Placement arranged for students not concurrently enrolled in EDSP 421.

0101	Sandra Newcomb Th 4:15pm - 7:00pm	Seats (Total: 24) EDU 1121

EDSP421 **Field Placement in Special Education: Early Childhood I**

EDSP421 Field Placement in Special Education: Early Childhood I; (4 credits)
Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in early childhood special education. Field experience I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Paula Beckman	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 0114 Location: TBA	Lab

EDSP422 **Curriculum and Instruction: Early Childhood Special Education**

EDSP422 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP627. Credit will be granted for only one of the following: EDSP422 or EDSP627. Curriculum and instruction for young children with mild and moderate disabilities, preschool through primary grades.

0101	Joan Lieber	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 0114

EDSP434 **Field Placement in Special Education: Secondary Middle I**

EDSP434 Field Placement in Special Education: Secondary Middle I; (4 credits)
Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in secondary middle special education. Field experience I in secondary middle special education.

0101	Paula Maccini	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 3236 Location: TBA	Lab

EDSP450 **Inclusive Practices in the Schools**

EDSP450 Inclusive Practices in the Schools; (3 credits) Grade Method: REG/AUD. *Also offered as EDSP606. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P.* Educational practices regarding inclusive education in the schools for students with and without disabilities. Also offered as EDSP606 (formerly EDSP788P). Credit will be granted for only one of the following: EDSP 450, EDSP606 or EDSP788P.

0101	Barbara Gruber	Seats (Total: 27)
	Tu 4:15pm - 7:00pm	SQH 1117

EDSP451 **Curriculum and Instruction: Elementary Special Education**

EDSP451 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP652. Credit will be granted for only one of the following: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.

0101	Susan De La Paz	Seats (Total: 26)
	Th 1:15pm - 4:00pm	EDU 2101

EDSP452 **Field Placement in Special Education: Elementary I**

EDSP452 Field Placement in Special Education: Elementary I; (4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Field experience I in elementary special education.

0101	Rebecca Silverman	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 1315	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP455 **Assessment in Elementary Special Education**

EDSP455 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP654. Credit will be granted for only one of the following: EDSP455 or EDSP654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education.

0101	Arden Sotomayor Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0206

EDSP466 **Issues and Models of Instruction: Middle/Secondary Special Education**

EDSP466 Issues and Models of Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP664. Credit will be granted for only one of the following: EDSP466 or EDSP664. Issues, legislation, and service models in middle/secondary special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Monica Simonsen Th 1:15pm - 4:00pm	Seats (Total: 26) EDU 2102

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDSP210. Credit will be granted for only one of the following: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Deirdre Barnwell M 4:15pm - 7:00pm *Emphasis on Early Childhood Special Education.*	Seats (Total: 40) EDU 1121
0201	Mark Zablocki TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 0212
0301	Agnesanne Danehey W 4:15pm - 7:00pm	Seats (Total: 40) ASY 1213

0401	Mark Zablocki Th 4:15pm - 7:00pm	Seats (Total: 40) KEY 0103

EDSP477 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP477 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP677. Credit will be granted for only one of the following: EDSP477 or EDSP677. Methods and assessment practices for effective instruction in middle and secondary content areas for students in special education.

0101	Paula Maccini Tu 4:15pm - 7:00pm	Seats (Total: 26) EDU 0212

EDSP481 **Cultural Diversity and Disability**

EDSP481 Cultural Diversity and Disability; (3 credits) Grade Method: REG/AUD.
For 0808P majors only. Also offered as EDSP681. Credit will be granted for only one of the following: EDSP481, EDSP499C, EDSP678C, or EDSP681. Formerly EDSP499C. A study of diversity issues within special education, with attention to uses of race, culture, and disability as they pertain to teaching, learning, and social justice.

0101	Peter Leone M 10:00am - 1:00pm	Seats (Total: 30) EDU 1121

EDSP482 **Literacy Approaches for At-Risk Adolescents**

EDSP482 Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Pre- or corequisite: EDHD426 or permission of department. Also offered as EDSP682. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP488R. Provides approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Agnesanne Danehey M 4:15pm - 7:00pm	Seats (Total: 20) EDU 1210B

EDSP484 **Reading and Writing Instruction in Special Education II**

EDSP484 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP416. For EDSP or 0808P majors only. Also offered as EDSP684. Credit will be granted for only one of the following: EDSP484 or EDSP684. Focus on the development of reading and writing programs for students in special education. Builds on foundations established in EDSP416.

0101	Elizabeth Montanaro Tu 1:15pm - 4:00pm	Seats (Total: 35) CCC 1111

EDSP488T **Selected Topics in Teacher Education; Mentoring Preservice Special Educators**
Contact department for information to register for this course.

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/AUD.

0101	M Brown Contact instructor or department for details.	Seats (Total: 20)
0901	Peter Leone Contact instructor or department for details.	Seats (Total: 20)

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advising**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advising; (1-6 credits)** Grade Method: REG/P-F/AUD.
Limited to pre-special and special education majors.

0101	Dawn Molloy M 2:00pm - 4:00pm	Seats (Total: 15) EDU 0114

EDSP602 **Functional Assessment and Instruction in Special Education**

EDSP602 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP400. Credit will be granted for only one of the following: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood.

0101	Frances Kohl	Seats (Total: 40)
	W 4:15pm - 7:00pm	EDU 1121

EDSP604 **Education of Students with Autism**

EDSP604 Education of Students with Autism; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as EDSP 404. Credit will be granted for only one of the following: EDSP 404 or EDSP 604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic or having a pervasive development disorder.

0101	Andrew Egel	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 1315

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

EDSP606 Advanced Study in Inclusive Practices in The Schools; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP450. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Formerly EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities. Formerly offered as EDSP788P. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P.

0101	Barbara Gruber	Seats (Total: 27)
	Tu 4:15pm - 7:00pm	SQH 1117

EDSP613 **Behavior and Classroom Management in Special Education**

EDSP613 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG.
For EDSP majors only or permission of instructor. Also offered as EDSP 413. Credit will be granted for only one of the following: EDSP 413 or EDSP 613. Applied behavior analysis for assessment of behavior and learning environments. Behavior and classroom management strategies for students in special education.

0101	Paul Livelli TuTh 5:00pm - 6:15pm	Seats (Total: 28) HBK 1112
0201	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 1121

EDSP622 **History, Research and Context in Behavioral and Learning Di sorders**

EDSP622 History, Research and Context in Behavioral and Learning Di sorders; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP 470 or permission of department. Examination of theoretical, historical, and contextual influences affecting the study and treatment of persons with behavioral and learning disorders.

0101	Deborah Speece M 4:15pm - 7:00pm	Seats (Total: 15) EDU 0212

EDSP623 **Challenges and Issues in Behavioral and Learning Disorders**
Contact department for information to register for this course.

EDSP625 **Seminar on Severely Handicapping Conditions**

EDSP625 Seminar on Severely Handicapping Conditions; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP 600 or permission of department. Research and theories relevant to the education of severely handicapped individuals.

0101	Frances Kohl M 7:00pm - 9:45pm	Seats (Total: 15) EDU 1315

EDSP626 **Characteristics of Infants and Young Children: Early Childhood Special Education**

EDSP626 Characteristics of Infants and Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP420. Credit will be granted for only one of the following: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. For EDSP majors only.

0101	Sandra Newcomb Th 4:15pm - 7:00pm	Seats (Total: 24) EDU 1121

EDSP627 **Curriculum and Instruction: Early Childhood Special Education**

EDSP627 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP422. Credit will be granted for only one of the following: EDSP422 or EDSP627. Curriculum and instructor for young children with mild and moderate disabilities, preschool through primary grades. For EDSP majors only.

0101	Joan Lieber Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0114

EDSP652 **Curriculum and Instruction: Elementary Special Education**

EDSP652 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP451. Credit will be granted for only one of the following: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included. For EDSP majors only.

0101	Susan De La Paz Th 1:15pm - 4:00pm	Seats (Total: 26) EDU 2101

EDSP654 **Assessment in Elementary Special Education**

EDSP654 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP455. Credit will be granted for only one of the following: EDSP455 or EDSP 654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education. For EDSP majors only.

0101	Arden Sotomayor Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0206

EDSP664 **Issues and Models:Secondary/Middle Special Education**

EDSP664 Issues and Models:Secondary/Middle Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as EDSP 466. Credit will be granted for only one of the following: EDSP 466 or EDSP 664. Issues, legislation, and service models in secondary/middle special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Monica Simonsen Th 1:15pm - 4:00pm	Seats (Total: 26) EDU 2102

EDSP675 **Legal and Policy Foundations of Special Education**

EDSP675 *(PermReq)* **Legal and Policy Foundations of Special Education; (3 credits)** Grade Method: REG.
Prerequisite: Permission of Instructor. Regulatory and statutory foundations for public policies addressing the education of children and youth with disabilities.

IHP1	Margaret McLaughlin **Meets September 11, 2010 - October 3, 2010** Contact instructor or department for details. *Outreach Offering, EDSP Germany Program, departmental permission requir ed.*	Seats (Total: 14)

EDSP677 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP677 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP477. Credit will be granted for only one of the following: EDSP477 or EDSP677. Methods and assessment practicies for effective instruction in middle and secondary content areas for students in special education. For EDSP majors only.

0101	Paula Maccini	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 0212

EDSP678B **Seminar in Special Education; Advanced Research Seminar on Program Evaluation**
Contact department for information to register for this course.

EDSP681 **Seminar in Cultural Diversity and Disability**

EDSP681 Seminar in Cultural Diversity and Disability; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP481. Credit will be granted for only one of the following: EDSP481 or EDSP681. A study of diversity issues within special education, with attention to issues of race, culture, and disability as they pertain to teaching, learning, and social justice.

0101	Peter Leone	Seats (Total: 30)
	M 10:00am - 1:00pm	EDU 1121

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

EDSP682 Advanced Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP482. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP788R. Approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Agnesanne Danehey	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1210B

EDSP683 **Assessment and Instruction in Mathematics in Special Education**
Contact department for information to register for this course.

EDSP684 **Reading and Writing Instruction in Special Education II**

EDSP684 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG.
Prerequisite: EDSP 616 or permission of department. Also offered as EDSP 484. Credit will be granted for only one of the following: EDSP 484 or EDSP 684. Development of effective reading and writing programs for students receiving special education services. Builds on the foundation established in EDSP 616.

0101	Elizabeth Montanaro Tu 1:15pm - 4:00pm	Seats (Total: 35) CCC 1111

EDSP686 **Promoting Prosocial Behavior in Special Education**
Contact department for information to register for this course.

EDSP687 **Family Partnerships in Special Education**

EDSP687 Family Partnerships in Special Education; (3 credits) Grade Method: REG.
For EDSP majors only. Also offered as EDSP 487. Credit will be granted for only one of the following: EDSP 487 or EDSP 687. Strategies for communicating and working with families of students with disabilities.

0101	Martha Moon W 1:15pm - 4:00pm	Seats (Total: 24) EDU 2101
0201	Martha Moon Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 0212

EDSP691 **Graduate Internship in Special Education I: Early Childhood**

EDSP691 Graduate Internship in Special Education I: Early Childhood; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors only. Students must reserve three half-days per week for internship in early childhood special education. Credit will be granted for only one of the following: EDSP431 and EDSP691. Formerly EDSP431. Internship I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Joan Lieber	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 2101 Location: TBA	Lab

EDSP692 **Graduate Internship in Special Education I: Elementary**

EDSP692 Graduate Internship in Special Education I: Elementary; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors. Students must reserve three-half days per week for internship in elementary special education. Credit will be granted for only one of the following: EDSP456 or EDSP692. Formerly EDSP456. Internship I in elementary special education.

0101	Deborah Speece	Seats (Total: 25)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 2102 Location: TBA	Lab

EDSP693 **Graduate Internship in Special Education I: Secondary Middle**

EDSP693 Graduate Internship in Special Education I: Sceondary Middle; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors only. Students must reserve three half-days per week for internship in secondary middle special edcuation. Credit will be granted for only one of the following: EDSP436 or EDSP693. Formerly EDSP436. Internship I in secondary middle special education.

0101	Peter Leone	Seats (Total: 20)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 0206 Location: TBA	Lab

EDSP694 **Graduate Internship in Special Education II: Early Childhood**

EDSP694 *(PermReq)* **Graduate Internship in Special Education II: Early Childhood; (6-11 credits)** Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP494, EDSP694, or EDSP889A. Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities. Students must pay a $400.00 laboratory fee.

0101	Joan Lieber	Seats (Total: 1)
	Contact instructor or department for details.	

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP860 **Doctoral Research Seminar**

EDSP860 Doctoral Research Seminar; (3 credits) Grade Method: REG/AUD. Issues and procedures relevant to conducting and analyzing research in special education.

0101	Joan Lieber	Seats (Total: 15)
	Th 4:15pm - 7:00pm	EDU 1304A

EDSP872 **Theory and Empirical Design in Special Education Research**

EDSP872 Theory and Empirical Design in Special Education Research; (3 credits) Grade Method: REG/AUD.
For Doctorial Students only. Prerequisite: EDMS645 and EDMS646 or permission of department. Credit will be granted for only one of the following: EDSP672 or EDSP872. Formerly EDSP672. Design and evaluation of quantitative research in special education across disabilities and ages.

0101	Margaret McLaughlin	Seats (Total: 12)
	Tu 4:15pm - 7:00pm	EDU 1304A

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Fall 2010

EDUC386 **Experiential Learning**

EDUC386 Experiential Learning; (3 credits) Grade Method: REG/P-F.
Prerequisite: permission of department. Junior standing.

0101	Lisa Brown	Seats (Total: 5)
	Contact instructor or department for details.	

EDUC388 **Special Topics in Education; Guided Experience In College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experience In College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Dawn Sherman	Seats (Total: 30)
	Th 5:00pm - 7:00pm Contact instructor or department for details.	ASY 3215
	Relates to the standard UTA program and should be taken concurrently with EDCI498, section 6601 for one credit.	
0202	Dian Squire	Seats (Total: 20)
	W 3:00pm - 5:00pm Contact instructor or department for details.	ASY 3215
	Restricted to students who are teaching UNIV100 or UNIV101.	
0203	Gerry Strumpf	Seats (Total: 20)
	M 3:00pm - 5:00pm Contact instructor or department for details.	JMZ 1122
	Restricted to students who are teaching UNIV100 or UNIV101.	
0401	Sharon Vanwright	Seats (Total: 20)
	M 4:00pm - 6:00pm Contact instructor or department for details.	MMH 2202
	Relates to the academic achievement program and should be taken concurrently with EDCI498, section 6601.	
0501	Lani Yap, Stacy Woycheck	Seats (Total: 20)
	Th 3:00pm - 4:50pm Contact instructor or department for details.	ARM 0120
	Relates to the standard UTA program and is restricted to Life Science students only.	

EDUC388H **Special Topics in Education; Honors Synthesis Seminar**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program. For additional information contact Christy Corbin at her e-mail address, cc197@umail.umd.edu.

0101	Christy Tirrell-Corbin	Seats (Total: 20)
	M 4:15pm - 6:15pm	EDU 0206

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Course restricted to students admitted to College of Education honors program.

Contact department for information to register for this course.

ENAE Engineering, Aerospace Fall 2010

ENAE100 **The Aerospace Engineering Profession**

ENAE100 *(PermReq)* **The Aerospace Engineering Profession; (1 credit)** Grade Method: REG/P-F/AUD.
Recommended: ENES100 and MATH140. Overview of salient aspects of professional practice of Aerospace Engineering. Introduction to the range of technical expertise needed to succeed in the profession and the objectives of the various parts of the Aerospace Engineering program at UMCP in supporting students' efforts in gaining the required knowledge and skills. Familiarization with departmental faculty and their areas of research, creation of links with other students, professional society student chapters, and available resources. Discussion of ethical issues, business requirements, and their interactions with technical developments.

0101	Mark Lewis	Seats (Total: 150)
	Tu 12:30pm - 1:45pm	EGR 1202

ENAE283 **Introduction to Aerospace Systems**

ENAE283 Introduction to Aerospace Systems; (3 credits) Grade Method: REG.
Prerequisites: PHYS161, ENES102 and MATH141. Corequisites: PHYS260 and 261, formerly PHYS262. Formerly: ENAE281 and ENAE282. For ENAE majors only. Credit will be granted for only one of the following: ENAE281 and ENAE282 or ENAE283. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	Mary Bowden	Seats (Total: 95)	
	TuTh 9:30am - 10:45am	CSS 2324	

ENAE283H **Introduction to Aerospace Systems**

ENAE283H *(PermReq)* **Introduction to Aerospace Systems; (3 credits)** Grade Method: REG.
Prerequisites: PHYS161, ENES102 and MATH141. Corequisites: PHYS260 and 261, formerly PHYS262. Formerly: ENAE281 and ENAE282. For ENAE majors only. Credit will be granted for only one of the following: ENAE281 and ENAE282 or ENAE283.

0101	Alison Flatau	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	EGR 0135	

ENAE301 **Dynamics of Aerospace Systems**

ENAE301 Dynamics of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE202, ENAE283, ENES102, MATH241, MATH246, MATH461, PHYS270 and PHYS271. ENAE majors only or permission of department. Junior standing. Kinematics and dynamics of three dimensional motion of point masses and rigid bodies with introduction to more general systems. Primary emphasis on Newtonian methods. Practice in numerical solutions and computer animation of equations of motion using MATLAB.

0101	Derek Paley	Seats (Total: 45)	
	TuTh 12:30pm - 1:45pm	PLS 1140	
	F 1:00pm - 3:00pm	CSS 1410	Lab

0102	Derek Paley	Seats (Total: 45)	
	TuTh 12:30pm - 1:45pm F 3:00pm - 5:00pm	PLS 1140 CSS 1410	Lab

ENAE311 **Aerodynamics I**

ENAE311 Aerodynamics I; (3 credits) Grade Method: REG.
Prerequisites: ENAE202, ENAE283, ENES220, MATH241, MATH246, MATH461, PHYS270, and PHYS271. Corequisite: ENME232 or ENME320. For ENAE majors only or permission of department. Junior standing. Formerly ENAE471. Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Ashish Nedungadi	Seats (Total: 68)	
	TuTh 9:30am - 10:45am	CHE 2110	

ENAE311H **Aerodynamics I**

ENAE311H *(PermReq)* **Aerodynamics I; (3 credits)** Grade Method: REG/P-F.
Prerequisites: ENAE202, ENAE283, ENES220, MATH241, MATH246, MATH461, PHYS270, and PHYS271. Corequisite: ENME232 or ENME320. For ENAE majors only or permission of department. Junior standing. Formerly ENAE471.

0101	Christopher Cadou	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	JMP 1109	

ENAE362 **Aerospace Instrumentation and Experimentation**

ENAE362 Aerospace Instrumentation and Experimentation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE283 and MATH246. Junior standing. For ENAE majors only. Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments in Aerospace Engineering includes metrology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition. Topics chosen to support measurements in aerodynamics, flight structures and flight control.

0101	Allen Winkelmann MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0102	Allen Winkelmann MW 1:00pm - 1:50pm Tu 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0103	Allen Winkelmann MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0104	Allen Winkelmann MW 1:00pm - 1:50pm Th 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab

ENAE380 **Flight Software Systems**

ENAE380 Flight Software Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only.* Avionics using advanced sensor and computing technologies are at the heart of every modern Aerospace vehicle. Advanced software systems to improve cockpit safety and enable unmanned and deep-space missions. Object-oriented programming and software engineering concepts required to design and build complex flight software systems. Software validation, verification and real-time performance analysis to assess flight software system reliability and robustness. Human-machine interface design for piloted systems. Automatic onboard data acquisition and decision-making for unmanned air and space vehicles. Three hours of lecture and two hours of laboratory per week. Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only.

0101	Anthony Banes MW 12:00pm - 12:50pm F 9:00am - 10:50am	Seats (Total: 48) JMP 3201 JMP 1116	 Lab
0102	Anthony Banes MW 12:00pm - 12:50pm F 11:00am - 12:50pm	Seats (Total: 42) JMP 3201 JMP 1116	 Lab

ENAE398H **Honors Research Project**

ENAE398H Honors Research Project; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE403 **Aircraft Flight Dynamics**

ENAE403 Aircraft Flight Dynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ENAE432 and ENAE414. ENAE majors only or permission of department.* Study of motion of aircraft, equations of motion, aerodynamic force representation, longitudinal and lateral motions, response to controls and to atmospheric disturbances, handling qualities criteria and other figures of merit.

0101	James Humbert	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	CHM 1402

ENAE415 **Helicopter Theory**

ENAE415 Helicopter Theory; (3 credits) Grade Method: REG. *Prerequisite: ENAE414. For ENAE majors only.* Elementary exposition on the theory and practice of aerodynamics applied to helicopters and other rotary wing aircraft.

0101	John Leishman	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	ITV 1100

ENAE423 **Vibration and Aeroelasticity**

ENAE423 Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. ENAE majors only or permission of department.* Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Sung Lee	Seats (Total: 60)
	MWF 11:00am - 11:50am	CHM 0119

ENAE423H **Vibration and Aeroelasticity**

ENAE423H Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. ENAE majors only or permission of department.*

0101	Norman Wereley	Seats (Total: 25)
	MWF 11:00am - 11:50am	CCC 1111

ENAE441 **Space Navigation and Guidance**

ENAE441 Space Navigation and Guidance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE432 and ENAE404. ENAE majors only or permission of department. Principles of navigation. Celestial, radio, and inertial navigation schemes. Navigational and guidance requirements for orbital, planetary, and atmospheric entry missions. Fundamentals of communications and information theory. Link budgets, antennas and telemetry systems.

0101	Liam Healy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 2120

ENAE455 **Aircraft Propulsion and Power**

ENAE455 Aircraft Propulsion and Power; (3 credits) Grade Method: REG/P-F.
Prerequisite: ENAE311, ENAE414 and ENME232. ENAE majors only or permission of department. Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of piston, turbojet, fanjet, and other variations of airbreathing aircraft power units.

0101	Kenneth Yu	Seats (Total: 65)
	TuTh 12:30pm - 1:45pm	PLS 1130

ENAE457 **Space Propulsion and Power**

ENAE457 Space Propulsion and Power; (3 credits) Grade Method: REG/P-F.
Prerequisites: ENAE311, ENME232 and (PHYS270 and 271 {Formerly: PHYS263}). ENAE majors only or permission of department. Senior standing. Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

0101	Raymond Sedwick	Seats (Total: 40)
	TuTh 2:00pm - 3:30pm	ANS 0412

ENAE481 **Principles of Aircraft Design**

ENAE481 Principles of Aircraft Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ENAE324, ENAE362 and ENAE432. Corequisite: ENAE414. ENAE majors only or permission of department.* Aircraft design principles blending both synthesis and analysis. The iterative nature of the design process. Applied aerodynamics. Elements of aircraft performance calculation and optimization. Design of aircraft including payload, crew and avionics provisions, propulsion selection and sizing, aerodynamic configuration optimization, mass properties, stability and control characteristics, and vehicle subsystems. Individual student projects in aircraft design.

0101	Dominic Palumbo MWF 2:00pm - 2:50pm	Seats (Total: 65) MCB 1207

ENAE483 **Principles of Space Systems Design**

ENAE483 Principles of Space Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE324; ENAE432; ENAE362; and ENAE404. ENAE majors only or permission of department. Principles of space systems analysis and vehicle design. Launch vehicle performance analysis and optimization. Design of vehicle systems including avionics, power, propulsion, life support, human factors, structures, actuator and mechanisms, and thermal control. Design processes and design synthesis. Individual student projects in vehicle design.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 38) ITV 1100
FS01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

TV01	David Akin	Seats (Total: 5)	
	TuTh 11:00am - 12:15pm	Location: TBA	

ENAE488A **Topics in Aerospace Engineering; Topics in Wind Tunnel Testing**

ENAE488A Topics in Aerospace Engineering: Topics in Wind Tunnel Testing; (3 credits) Grade Method: REG/P-F/AUD.
Prequisite: ENAE311 and ENAE362. For ENAE majors only or permission of the department.

0101	Allen Winkelmann	Seats (Total: 12)	
	MW 8:00am - 8:50am	EGL 0123	
	F 2:00pm - 5:00pm	EGL 0123	Lab

ENAE488T **Topics in Aerospace Engineering; Engineering Optimization**

ENAE488T Topics in Aerospace Engineering: Engineering Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of department. Methods for unconstrained and constrained minimization of functions of several variables. Sensitivity analysis for systems of algebraic equations, eigenvalue problems, and syst ems of ordinary differential equations. Methods for transformation of an optimization problem into a sequence of approximate problems. Optimum design sensitivity analysis.

0101	Roberto Celi	Seats (Total: 15)	
	MW 2:00pm - 3:15pm	BPS 1238	

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE601 **Astrodynamics**

ENAE601 Astrodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENAE 404 and ENAE 441. Mathematics and applications of orbit theory, building upon the foundations developed in ENAE 404 and ENAE 441. Topics include two body orbits, solutions of Kepler's equation, the two-point boundary value problem, rendezvous techniques, and Encke's method.

0101	Brent Barbee MW 5:00pm - 6:15pm	Seats (Total: 25) EGR 0135

ENAE631 **Helicopter Aerodynamics I**

ENAE631 *(PermReq)* **Helicopter Aerodynamics I; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENAE 311 and ENAE 414 or permission of both department and instructor. A history of rotary-wing aircraft, introduction to hovering theory, hovering and axial flight performance, factors affecting hovering and vertical flight performance, autorotation in vertical descent, concepts of blade motion and control, aerodynamics of forward flight, forward flight performance, operational envelope, and introduction to rotor acoustics. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 25) ITV 1100
FS01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SG01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

TV01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENAE641 **Linear System Dynamics**

ENAE641 Linear System Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 432. Linear systems; state space, multi-input, multi-output models; eigenstructure; controllability, observability, singular value analysis; multivariable Nyquist condition; observer design; introduction to Kalman filtering. Full state feedback techniques including pole placement and LQR/LQG techniques; introduction to loop shaping and robustness.

0101	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 2107
FS01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
HG01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
HT01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
SG01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
SM01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
TV01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)

ENAE651 **Smart Structures**

ENAE651 Smart Structures; (3 credits) Grade Method: REG/AUD.
Topics related to the analysis, design, and implementation of smart structures and systems: modeling of beams and plates with induced strain actuation; shape memory alloys; electro-rheological fluids; magnetostrictor and electrostricter actuators and fiber optic sensors. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 25) CSI 1122

ENAE653 **Nonlinear Finite Element Analysis of Continua**

ENAE653 Nonlinear Finite Element Analysis of Continua; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 652 or equivalent. Finite element formulation of nonlinear and time dependent processes. Introduction to tensors, nonlinear elasticity, plasticity and creep. Application to nonlinear solids including aerospace structures, such as shells undergoing finite rotations.

0101	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 20) JMP 1109

ENAE655 **Structural Dynamics**

ENAE655 Structural Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 452 or permission of department. Advanced principles of dynamics necessary for structural analysis; solutions of eigenvalue problems for discrete and continuous elastic systems, solutions to forced response boundary value problems by direct, modal, and transform methods.

FS01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 25) ITV 1100

ENAE667 **Advanced Space Propulsion and Power**

ENAE667 *(PermReq)* **Advanced Space Propulsion and Power; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENAE788L and permission of instructor. Advanced treatment of selected space propulsion and power technologies, methods of analysis and performance estimation. Topics will vary each year as time permits, but may include cold gas systems, chemical, nuclear, arcjets, beamed energy, and electric propulsion systems, as well as other advanced concepts.

0101	Raymond Sedwick TuTh 5:00pm - 6:15pm	Seats (Total: 15) EGR 1108

ENAE681 **Engineering Optimization**

ENAE681 *(PermReq)* **Engineering Optimization; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Methods for unconstrained and constrained minimization of functions of several variables. Sensitivity analysis for systems of algebraic equations, eigenvalue problems, and systems of ordinary differential equations. Methods for transformation of an optimization problem into a sequence of approximate problems. Optimum design sensitivity analysis.

0101	Roberto Celi MW 2:00pm - 3:15pm	Seats (Total: 15) BPS 1238

ENAE684 **Computational Fluid Dynamics I**

ENAE684 Computational Fluid Dynamics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Partial differential equations applied to flow modelling, fundamental numerical techniques for the solution of these equations, elliptic, parabolic, and hyperbolic equations, elements of finite difference solutions, explicit and implicit techniques. Applications to fundamental flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 40) EGR 2103
FS01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

HG01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
TV01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE694 **Spacecraft Communications**

ENAE694 Spacecraft Communications; (3 credits) Grade Method: REG/AUD. Brief overview of satellite orbits. Radio frequency communications, noise, and bandwidth limitations. Link budget analysis. Modulation and multiplexing approaches, multiple access systems. Satellite transponder and Earth station technology.

0101	David Israel MW 5:00pm - 6:15pm	Seats (Total: 25) ITV 1100
FS01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
HG01	David Israel Contact instructor or department for details.	Seats (Total: 5)
HT01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
SG01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
SM01	David Israel Contact instructor or department for details.	Seats (Total: 5)
TV01	David Israel Contact instructor or department for details.	Seats (Total: 5)

ENAE788D **Selected Topics in Aerospace Engineering; Advanced Space Systems Design**

ENAE788D Selected Topics in Aerospace Engineering: Advanced Space Systems Design; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 20) ITV 1100
FS01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE788K **Selected Topics in Aerospace Engineering; Estimation and Control of Stochastic Systems**

ENAE788K Selected Topics in Aerospace Engineering: Estimation and Control of Stochastic Systems; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 0135

ENAE788X **Selected Topics in Aerospace Engineering; Planetary Surface Robotics**

ENAE788X Selected Topics in Aerospace Engineering: Planetary Surface Robotics; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 5:00pm - 6:15pm	Seats (Total: 30) ITV 1111
FS01	David Akin Contact instructor or department for details.	Seats (Total: 5)
HG01	David Akin Contact instructor or department for details.	Seats (Total: 5)
HT01	David Akin Contact instructor or department for details.	Seats (Total: 5)
SG01	David Akin Contact instructor or department for details.	Seats (Total: 5)
SM01	David Akin Contact instructor or department for details.	Seats (Total: 5)
TV01	David Akin Contact instructor or department for details.	Seats (Total: 5)

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE200 **Fundamentals of Agricultural Mechanics**

ENBE200 Fundamentals of Agricultural Mechanics; (3 credits) Grade Method: REG/P-F.
Formerly ENAG200. Study of hand tools and power shop equipment as they relate to mechanized agriculture, in tool fitting, plumbing, wood and metal working, welding, brazing, soldering, hot and cold sheet metal, electricity, construction and building materials, sketching, drawing and using plans for construction. Emphasis is upon the development of orderly and safe shop procedures.

0101	Roy Walls	Seats (Total: 20)	
	TuTh 9:00am - 9:50am	ANS 0504	
	TuTh 10:00am - 11:50am	ANS 0504	Lab
0201	Roy Walls	Seats (Total: 20)	
	TuTh 1:00pm - 1:50pm	ANS 0504	
	TuTh 2:00pm - 3:50pm	ANS 0504	Lab

ENBE489 **Special Problems in Biological Engineering**

ENBE489 *(PermReq)* **Special Problems in Biological Engineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE499 **Special Problems in Agricultural Engineering Technology**

ENBE499 *(PermReq)* **Special Problems in Agricultural Engineering Technology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE688 **Advanced Topics in Biological Engineering**

ENBE688 *(PermReq)* **Advanced Topics in Biological Engineering; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE699 **Special Problems in Biological Engineering**

ENBE699 *(PermReq)* **Special Problems in Biological Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE799 **Master's Thesis Research**

ENBE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE898 **Pre-Candidacy Research**

ENBE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE899 **Doctoral Dissertation Research**

ENBE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Fall 2010

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker	Seats (Total: 132)
	F 1:00pm - 1:50pm	CHM 1402

ENCE200 **Civil Engineering Computation**

ENCE200 *(PermReq)* **Civil Engineering Computation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, ENES100, ENES102 and permission of department. Credit will be granted for only one of the following: ENCE200 or ENCE202. Formerly ENCE202. Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

0101	Elise Miller-Hooks, Frank White MW 2:00pm - 3:15pm	Seats (Total: 38) EGR 1156
0201	Elise Miller-Hooks, Frank White MW 3:30pm - 4:45pm	Seats (Total: 38) EGR 1156

ENCE201 **Engineering Information Processing**

ENCE201 *(PermReq)* **Engineering Information Processing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE200 and permission of department. Credit will be granted for only one of the following: ENCE201 or ENCE203. Matrix algebra and numerical computing. Includes computing accuracy, solutions of systems of linear equations, root-finding, function approximation, and numerical integration. Additional computing material including data types and structures, object-based programming, event-based programming, and client-server computing. Numerical and computing techniques are taught in the context of solving engineering problems.

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 60) PHY 1201

ENCE215 **Engineering for Sustainability**

ENCE215 *(PermReq)* **Engineering for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 and permission of department. Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Allen Davis TuTh 11:00am - 12:15pm	Seats (Total: 45) EGR 3106
0102	Oliver Hao TuTh 11:00am - 12:15pm	Seats (Total: 43) EGR 0135

ENCE289J **Transportation Innovation**

ENCE289J Transportation Innovation; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science (PS) Course.
A historical perspective on innovations largely associated with transportation technologies. From manufacturing improvements ushered in by the boom of automobile sales to control, communications, and propulsion innovations in rail systems to advances in noise control and engine emissions coupled with the aviation industry. Also offers insight into how the public need for mobility has driven various fields of science to innovative solutions to difficult problems.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	David Lovell TuTh 3:30pm - 4:45pm	Seats (Total: 60) JMP 3201

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications. Restricted to students in the College of Engineering.

0101	Kristen Markham, Ehsan Aramoon, Dimitrios Goulias Tu 12:30pm - 2:30pm Th 10:30am - 12:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	Lab
0102	Dimitrios Goulias, Kristen Markham, Ehsan Aramoon Tu 12:30pm - 2:30pm Th 12:30pm - 2:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	Lab
0201	Dimitrios Goulias Tu 2:30pm - 4:30pm Th 2:30pm - 4:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	Lab
0202	Dimitrios Goulias Tu 2:30pm - 4:30pm Th 4:30pm - 6:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	Lab

ENCE301 **Geo-Metrics and GIS in Civil Engineering**

ENCE301 *(PermReq)* **Geo-Metrics and GIS in Civil Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE200, ENCE201 and permission of department. The purpose is to have students develop skills in using GIS technology to solve a range of problems in Civil and Environmental Engineering. It begins with a rigorous unit on the basics of database organization and use. Then it presents GIS concepts emphasizing the linkage between a standard relational database and the spatially-referenced database underlying the GIS. Both raster and vector data models are presented and used in a variety of natural applications to Civil and Environmental Engineering. Students are also exposed to scripting which aids in the development of more elaborate analyses and reinforces object-oriented programming concepts learned in ENCE 200 and ENCE 201.

0101	Kaye Brubaker MWF 11:00am - 11:50am	Seats (Total: 35) EGR 0135
0102	Kristin Gilroy MWF 10:00am - 10:50am	Seats (Total: 35) EGR 0135

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENCE201, MATH246, and permission of department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data. Restricted to students in the College of Engineering.

0101	Bilal Ayyub MWF 2:00pm - 2:50pm	Seats (Total: 60) CHM 0119

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Credit will be granted for only one of the following: ENCE305 or ENCE330. Formerly ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0101	Yaron Sternberg MWF 8:00am - 8:50am	Seats (Total: 35) EGR 1104
0102	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 35) EGR 0108

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE215, PHYS260 (Formerly: PHYS262) and permission of department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Oliver Hao TuTh 8:00am - 9:15am	Seats (Total: 66) SYM 0200

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. For Clark School of Engineering majors only. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control. Restricted to students in the College of Engineering.

0101	Shu-Chien Hsu, John Schedel, Angela Schedel MW 4:00pm - 5:15pm	Seats (Total: 100) CHE 2108

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek, Daniel Butler TuTh 9:30am - 10:45am	Seats (Total: 65) PLS 1130

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENES220, MATH246 and permission of department. The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses. Restricted to students in the College of Engineering.

0101	Yunfeng Zhang MWF 9:00am - 9:50am	Seats (Total: 60) CHE 2136

ENCE360 **Analysis of Civil Engineering Systems**

ENCE360 *(PermReq)* **Analysis of Civil Engineering Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, MATH140 and permission of department. Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Masoud Hamedi, Ali Haghani	Seats (Total: 60)
	TuTh 11:00am - 12:15pm	CHM 0128

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 *(PermReq)* **Introduction to Transportation Engineering and Planning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis. Restricted to students in the College of Engineering.

0101	Lei Zhang	Seats (Total: 60)
	MWF 1:00pm - 1:50pm	SYM 0200

ENCE411 **Environmental Engineering Science**

ENCE411 *(PermReq)* **Environmental Engineering Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE310 and permission of department. The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

0101	Alba Torrents TuTh 11:00am - 11:50am F 10:00am - 1:00pm	Seats (Total: 12) EGR 0110 Location: TBA	Lab
0102	Alba Torrents TuTh 11:00am - 11:50am F 1:00pm - 4:00pm	Seats (Total: 12) EGR 0110 Location: TBA	Lab

ENCE420 **Selection and Utilization of Construction Equipment**

ENCE420 *(PermReq)* **Selection and Utilization of Construction Equipment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. Senior standing. Construction equipment for excavation, hauling, lifting, structural assembly, paving, and allied functions. Fundamentals of equipment performance, productivity calculations, and cost management. Matching of construction tasks to appropriate construction equipment. Innovative technologies in equipment design and performance. Information technology and automation for construction equipment. Field demonstrations of earth-moving and lifting equipment.

0101	Randolph Sibold M 3:30pm - 6:00pm	Seats (Total: 45) CHM 0119

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE201 and permission of department. For ENCE majors, PM minors, or permission of department. Reviews the fundamentals of accounting; examines project cost accounting principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Yujie Lu, Qingbin Cui, Qianli Deng Th 5:00pm - 7:30pm	Seats (Total: 65) CHM 0119

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 *(PermReq)* **Project Planning, Scheduling and Control; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. For ENCE majors, PM minors, or permission of department. Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules. Restricted to students in the College of Engineering.

0101	Kenneth O'Connell	Seats (Total: 45)
	Tu 5:00pm - 7:30pm	CHM 0119

ENCE432 **Ground Water Hydrology**

ENCE432 *(PermReq)* **Ground Water Hydrology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE 305 and permission of department. Concepts related to the development of the ground water resources, hydrology, hydrodynamics of flow through porous media, hydraulics of wells and basin-wide ground water development. Fundamentals of ground water pollution are introduced. Restricted to students in the College of Engineering.

0101	Yaron Sternberg	Seats (Total: 35)
	MWF 9:00am - 9:50am	EGR 2154

ENCE441 **Foundation Design**

ENCE441 *(PermReq)* **Foundation Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Critical review of classical lateral earth pressure theories, analysis of retaining walls and reinforced earth walls, subsurface explorations, bearing capacity and settlement of shallow foundations, design of deep foundations that includes both pile foundations and drilled shafts. Restricted to students in the College of Engineering.

0101	Mohamed Aggour	Seats (Total: 65)	
	TuTh 2:00pm - 3:15pm	JMP 3201	

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

ENCE444 *(PermReq)* **Experimental Methods in Geotechnical Structural Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and ENCE353; and permission of department. In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data anyalysis, as well as basic aspects of structural testing techniques and shake-table test. Prerequisites: ENCE340, ENCE353.

0101	Bora Cetin, Ahmet Aydilek	Seats (Total: 20)	
	Tu 12:30pm - 1:30pm	EGR 1110	
	W 1:00pm - 4:00pm	EGR 1110	Lab

ENCE454 **Design of Concrete Structures**

ENCE454 *(PermReq)* **Design of Concrete Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE353 and permission of department. Formerly ENCE451. Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.

0101	Asok Ghosh	Seats (Total: 65)
	MWF 11:00am - 11:50am	CHM 0128

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG/AUD. CORE Capstone (CS) Course.
Must be taken in the semester in which the student graduates. Prerequisite: permission of department. Senior standing. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills. Restricted to students in the College of Engineering.

0101	Paul Schonfeld	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	EGR 1156

ENCE470 **Highway Engineering**

ENCE470 *(PermReq)* **Highway Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302, ENCE370 and permission of department. Highway location and design, highway engineering economics, traffic engineering, traffic measurement devices and technologies. Includes discussion of technological advances in traffic flow and capacity, such as signal systems, corridor control, automatic driver information, incident detection and autonomous vehicle operation. Restricted to students in the College of Engineering.

0101	Xin Zhang	Seats (Total: 40)
	MWF 10:00am - 10:50am	CSI 2117

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE601 **Program and Portfolio Management**

ENCE601 Program and Portfolio Management; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE601 or ENCE688F. Formerly ENCE688F. A view of managing projects from an organizational perspective will be presented. The principle areas of discussion will be strategic alignment, marshalling organizational assets through an enterprise project office, portfolio management, and program management. Using a case study approach, students will explore the importance of using organizational strategies to align projects, how to use an enterprise project office as a governance process, and apply practices to create portfolios and programs to leverage organizational assets. Principle topics will include establishing a governance process, project selection techniques, project portfolio methodology, and application of project practices to program management.

0101	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 30) EGR 2103
HG01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
HT01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
PM01	Jimmie West Th 6:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) ONLINE ONLINE
SG01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SM01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA

ENCE602 **Project Procurement Management**

ENCE602 Project Procurement Management; (3 credits) Grade Method: REG/AUD.

For PM majors, ENCE, ENPM and GCMP majors only; or permission of department. Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism.

0101	Qingbin Cui W 6:00pm - 8:30pm	Seats (Total: 45) EGR 1104

ENCE603 **Management Science Applications in Project Management**

ENCE603 Management Science Applications in Project Management; (3 credits) Grade Method: REG.

For majors only or permission of department. The fundamentals of management science techniques in project management including: linear and integer programming, multi-objective optimization, simulation, decision analysis, Analytic Hierarchy Process (AHP), deterministic and stochastic dynamic programming. Applications will be drawn from the Critical Path Method (CPM), resource management, and other areas of Project Management.

0101	Steven Gabriel Tu 2:00pm - 4:30pm	Seats (Total: 45) ITV 1111
PM01	Steven Gabriel M 12:00pm - 1:00pm Class time/details on ELMs	Seats (Total: 45) ONLINE ONLINE

ENCE605 **Evolving as a Project leader**

ENCE605 Evolving as a Project leader; (3 credits) Grade Method: REG.
Prerequisite: ENCE665. Projects are now used by many organizations for the implementation of strategic initiatives. This means that project managers must be able to do more than manage, organize, and control. They must be able to lead the project team and its stakeholders through change. This course builds on the foundation created in previous coursework. It explores: (1)leadership theory and evolution; (2) the role of leadership in project teams; (3) you as a leader; and (4) your personal development as a project leader.

PM01	Jocelyn Davis	Seats (Total: 20)
	M 7:00pm - 7:50pm	ONLINE
	Tu 8:00am - 8:50am	ONLINE
	Class time/details on ELMs	ONLINE

ENCE610 **Fundamentals of Structural Analysis**

ENCE610 Fundamentals of Structural Analysis; (3 credits) Grade Method: REG/AUD.
Cartesian tensor notation. Linear forms of the general equilibrium, compatability, and constitutive equations. The calculus of variations. The principles of virtual work and complementary virtual work. Self-adjoint problem formulations.

0101	Peter Chang	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 3102

ENCE611 **Finite Element Methods**

ENCE611 Finite Element Methods; (3 credits) Grade Method: REG/AUD.
Formerly ENCE661. Basic principles and fundamental concepts of the finite element method. Consideration of geometric and material nonlinearities, convergence, mesh gradation and computational procedures in analysis. Applications to plane stress and plane strain, plates and shells, eigenvalue problems, axisymmetric stress analysis, and other problems in civil engineering.

0101	Bruce Donaldson	Seats (Total: 20)
	MW 3:30pm - 4:45pm	EGR 2154

ENCE621 **Uncertainty Modeling and Analysis**

ENCE621 Uncertainty Modeling and Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE302 or equivalent. Definition of engineering systems, knowledge levels using information science concepts as applied to engineering systems, sources and types of knowledge and ignorance, uncertainty sources and types for engineering systems, probability models, statistical models, fuzziness, fuzzy sets, fuzzy logic, fuzzy arithmetic, imprecise probabilities, evidence methods, uncertainty measures, uncertainty management, uncertainty reduction, applications of these analytical methods to engineering systems and in decision making.

0101	Bilal Ayyub MW 5:00pm - 6:15pm	Seats (Total: 25) EGR 2154

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Not open to students who have completed ENCE627 or ENCE688Q. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

0101	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 30) EGR 2103
HG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
HT01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SM01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA

ENCE630 **Environmental and Water Resource Systems I**

ENCE630 Environmental and Water Resource Systems I; (3 credits) Grade Method: REG/AUD.
Application of statistical and systems engineering techniques in the analysis of information necessary for the design or characterization of environmental or hydrologic processes; emphasis on the fundamental considerations that control the design of information collection programs, data interpretation, and the evolution of simulation models used to support the decision-making process.

0101	Richard McCuen	Seats (Total: 20)
	MWF 9:00am - 9:50am	EGR 3111

ENCE637 **Biological Principles of Environmental Engineering**

ENCE637 Biological Principles of Environmental Engineering; (3 credits) Grade Method: REG/AUD.
An examination of biological principles directly affecting man and his environment, with particular emphasis on microbiological interactions in environmental engineering related to air, water and land systems; microbiology and biochemistry of aerobic and anaerobic treatment processes for aqueous wastes.

0101	Oliver Hao	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENCE640 **Advanced Soil Mechanics**

ENCE640 Advanced Soil Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 340 or equivalent. Introduction to the use of elastic theory in stress and displacement solutions to geotechnical engineering (soil and rock mechanics). The effect of soil moisture (at rest) relative to effective stress principles, capillary and frost. Exact and numeric techniques for the analysis for soil seepage under isotropic and anisotropic conditions. Classical settlement (consolidation) and compressiblility theories, including finite difference solution for vertical and radial drainage.

0101	Charles Schwartz	Seats (Total: 25)
	Tu 5:00pm - 7:30pm	EGR 2154

ENCE650 **Process Dynamics in Environmental Systems**

ENCE650 Process Dynamics in Environmental Systems; (3 credits) Grade Method: REG/AUD.
Formerly ENCE636. The fundamentals of heterogeneous equilibria, rates of environmental reactions, and flow and material transport or presented. Applications of these principles will be presented to small and large scale environmental problems involving liquid, gas, and solid phases. Both natural and engineered environmental systems will be examined.

0101	Allen Davis	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHE 2116

ENCE651 **Chemistry of Natural Waters**

ENCE651 Chemistry of Natural Waters; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE 633 or ENCE 651. Formerly ENCE633. Application of principles from chemical thermodynamics and kinetics to the study and interpretation of the chemical composition of natural waters is rationalized by considering metal ion solubility controls, pH, carbonate equilibria, adsorption reactions, redox reactions and the kinetics of oxygenation reactions which occur in natural water environments.

0101	Alba Torrents	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 0108

ENCE661 **Project Cost Accounting and Finance**

ENCE661 Project Cost Accounting and Finance; (3 credits) Grade Method: REG/AUD.
This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.

0101	Maegan Helble, James Myers	Seats (Total: 58)
	Meets September 1, 2010 - December 10, 2010	
	W 3:30pm - 6:10pm	EGR 2103

FS01	James Myers **Meets September 1, 2010 - December 10, 2010** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
HG01	James Myers **Meets September 1, 2010 - December 10, 2010** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
HT01	James Myers **Meets September 1, 2010 - December 10, 2010** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
SG01	James Myers **Meets September 1, 2010 - December 10, 2010** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
SM01	James Myers **Meets September 1, 2010 - December 10, 2010** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

0101	Man Cheung, John Cable, Xinyuan Zhu M 6:00pm - 8:40pm	Seats (Total: 30) EGR 2103
FS01	Man Cheung, Xinyuan Zhu, John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
HG01	Man Cheung, Xinyuan Zhu, John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
HT01	John Cable, Xinyuan Zhu, Man Cheung M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
PM01	Xinyuan Zhu, Man Cheung, John Cable W 7:00am - 7:50am W 7:00pm - 7:50pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE ONLINE
SG01	Man Cheung, John Cable, Xinyuan Zhu M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	John Cable, Man Cheung, Xinyuan Zhu M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits)
Grade Method: REG/AUD.
Prerequisite: permission of department. Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

PM01	Mark Groff Tu 7:00pm - 7:50pm Contact instructor or department for details. *Click here for more course information.*	Seats (Total: 35) ONLINE

ENCE665 **Management of Project Teams**

ENCE665 *(PermReq)* **Management of Project Teams; (3 credits)** Grade Method: REG/AUD.

Prerequisite: permission of department. For Clark School of Engineering majors only.

Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

0101	Kathryn Britton, Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 35) EGR 2103
PM01	Jocelyn Davis, Kathryn Britton MTu 6:00pm - 8:30pm Tu 7:00am - 9:30am *Click here for more course information.*	Seats (Total: 60) ONLINE ONLINE

ENCE666 **Cost Engineering and Control**

ENCE666 Cost Engineering and Control; (3 credits) Grade Method: REG/AUD.

Analytic techniques to estimate and control project costs, including site investigation, quantity takeoff, work analysis and bid preparation. Systematic cost control as related to job production and historical data.

0101	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 30) EGR 2103
FS01	Neil Schulman Tu 6:00pm - 8:30pm Contact instructor or department for details.	Seats (Total: 5) Location: TBA
HG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HT01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

PM01	Neil Schulman **Meets September 1, 2010 - December 5, 2010** W 7:00pm - 7:50pm Class time/details on ELMs *Click here for more course information.*	Seats (Total: 30) ONLINE ONLINE
SG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SM01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

PM01	Gregory Baecher **Meets September 1, 2010 - December 5, 2010** Th 8:00am - 8:50am Th 7:00pm - 7:50pm Class time/details on ELMs *Click here for more course information.*	Seats (Total: 50) ONLINE ONLINE ONLINE

ENCE670 **Highway Traffic Characteristics and Measurements**

ENCE670 Highway Traffic Characteristics and Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 470 or permission of instructor. The study of the fundamental traits and behavior patterns of road users and their vehicles in traffic. The basic characteristics of the pedestrian, the driver, the vehicle, traffic volume and speed, stream flow and intersection operation, parking, and accidents.

0101	Gang-Len Chang	Seats (Total: 30)
	Th 5:00pm - 7:30pm	EGR 2154

ENCE672 **Regional Transportation Planning**

ENCE672 Regional Transportation Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 471 or permission of instructor. Factors involved and the components of the process for planning statewide and regional transportation systems, encompassing all modes. Transportation planning studies, statewide traffic models, investment models, programming and scheduling.

0101	Paul Schonfeld	Seats (Total: 35)
	Tu 5:00pm - 7:30pm	EGR 0108

ENCE677 **OR Models for Transportation Systems Analysis**

ENCE677 OR Models for Transportation Systems Analysis; (3 credits) Grade Method: REG/AUD.
Fundamental skills and concepts of the quantitative techniques of operations research including: mathematical modeling, linear programming, integer programming, network optimization (shortest paths, minimum spanning trees, minimum cost network flows, maximum flows), heuristics, and basics of probabilistic modeling. Emphasis on the application of these techniques to problems arising in transportation.

0101	Elise Miller-Hooks	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 1308

ENCE688A **Advanced Topics in Civil Engineering; Sensing and Systems Control**

ENCE688A Advanced Topics in Civil Engineering: Sensing and Systems Control; (3 credits) Grade Method: REG/AUD.
This course covers sensing materials, sensing principle and devices, sensor data acquisition and signal processing, system identification, feedback control techniques, sensor-driven structural reliability assessment and updating, and application to civil engineering field. The past decade has seen growing use of sensors and structural control technology in civil infrastructures around the world. Students taking this course will gain an appreciation of both theories and experiments related to control, sensory, and diagnostic systems components.

0101	Yunfeng Zhang W 4:30pm - 7:00pm	Seats (Total: 20) JMP 1202

ENCE688D **Advanced Topics in Civil Engineering; Surface Water Quality Modeling**

ENCE688D Advanced Topics in Civil Engineering: Surface Water Quality Modeling; (3 credits) Grade Method: REG/AUD.

0101	Kaye Brubaker MW 3:30pm - 4:45pm	Seats (Total: 10) EGR 0135

ENCE688I **Advanced Topics in Civil Engineering; Advances in Transportation Demand Analysis**

ENCE688I Advanced Topics in Civil Engineering: Advances in Transportation Demand Analysis; (3 credits) Grade Method: REG/AUD.

0101	Cinzia Cirillo TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 2116

ENCE688J **Advanced Topics in Civil Engineering; Contemporary Water Resources Management**

ENCE688J Advanced Topics in Civil Engineering: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
Also offered as PUAF798J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway M 5:00pm - 7:30pm	Seats (Total: 24) EGR 1108

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE725 **Probabilistic Optimization in Project Management**

ENCE725 Probabilistic Optimization in Project Management; (3 credits) Grade Method: REG/AUD.
Introduction to optimiztion under uncertainty. Includes: chance-constrained programming, reliability programming, value of information, decomposition methods, nonlinear and linear programming theory, and probability theory.

0101	Steven Gabriel M 2:00pm - 4:30pm	Seats (Total: 45) EGR 2103
PM01	Steven Gabriel Class time/details on ELMs	Seats (Total: 45) ONLINE

ENCE741 **Earth Retaining Structures**

ENCE741 Earth Retaining Structures; (3 credits) Grade Method: REG/AUD.
Introduction to types and uses of earth retaining structures, and lateral earth pressure concepts and theories. Analysis and design of retaining walls and shoring structures and their bracing systems. These include conventional retaining walls, mechanically stabilized earth walls, cantilever and anchored sheet piling, cellular cofferdams, braced cuts, soil nailing, and the design of tiebacks and anchors. Load and resistance factor design concept will be presented.

0101	Mohamed Aggour Th 5:00pm - 7:30pm	Seats (Total: 30) EGR 0110

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Fall 2010

ENCH215 **Chemical Engineering Analysis**

ENCH215 *(PermReq)* **Chemical Engineering Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM133 or CHEM113. Pre- or corequisite: MATH141. Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	Ganesh Sriram	Seats (Total: 85)	
	MWF 11:00am - 11:50am	CHE 2110	
	W 2:00pm - 2:50pm	CHE 2108	Discussion

ENCH333 **Chemical Engineering Seminar**

ENCH333 *(PermReq)* **Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Junior standing. Oral and written reports on recent developments in chemical engineering and the process industries.

0101	Nam Sun Wang	Seats (Total: 15)
	W 12:00pm - 12:50pm	CHE 2136

0102	Mikhail Anisimov	Seats (Total: 15)	
	W 10:00am - 10:50am	EGR 3111	

ENCH400 **Chemical Engineering Thermodynamics**

ENCH400 *(PermReq)* **Chemical Engineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and 261 (Formerly: PHYS262), ENCH250 and ENCH300. Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.

0101	Mikhail Anisimov	Seats (Total: 70)	
	TuTh 9:30am - 10:45am	CHE 2108	
	F 12:00pm - 12:50pm	CHE 2108	Discussion

ENCH422 **Transport Processes I**

ENCH422 *(PermReq)* **Transport Processes I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH215 and ENCH250. Pre- or corequisites: MATH241 and MATH246. Principles of fluid dynamics as applied to model development and process design. Mass, momentum and energy conservation. Statics and surface tension. Equation of Continuity and Navier-Stokes Equation with application to laminar flow. Dimensional analysis. Macroscopic balances, Bernoulli Equation and friction factors with application to turbulent flow.

0101	Richard Calabrese	Seats (Total: 75)	
	TuTh 2:00pm - 3:15pm	CHE 2110	
	F 1:00pm - 1:50pm	CHE 2110	Discussion

ENCH426 **Transport Processes III**

ENCH426 *(PermReq)* **Transport Processes III; (3 credits)** Grade Method: REG.
Prerequisites: ENCH300. Separation by staged operations. Rate dependent separation processes. Design applications in distillation, gas absorption, liquid extraction, drying, adsorption and ion exchange.

0201	William Weigand MWF 9:00am - 9:50am	Seats (Total: 70) CHE 2108	

ENCH437 **Chemical Engineering Laboratory**

ENCH437 *(PermReq)* **Chemical Engineering Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424; ENCH426; ENCH440; and ENCH442. Application of chemical engineering process and unit operation principles in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results in report form.

0101	Chunsheng Wang Th 1:00pm - 5:00pm Th 11:00am - 12:15pm	Seats (Total: 25) CHE 1145 CHE 2136	 Lab Discussion
0201	Chunsheng Wang Tu 1:00pm - 5:00pm Tu 11:00am - 12:15pm	Seats (Total: 25) CHE 1145 CHE 2136	 Lab Discussion

ENCH444 **Process Engineering Economics and Design I**

ENCH444 *(PermReq)* **Process Engineering Economics and Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424; ENCH426 and ENCH440. Principles of chemical engineering economics and process design. Emphasis on equipment types, equipment design principles, capital cost estimation, operating costs, and profitability.

0101	William Weigand MWF 2:00pm - 2:50pm	Seats (Total: 70) CHE 2110	

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH468L **Research; Photovoltaics: Solar Energy**

ENCH468L Research: Photovoltaics: Solar Energy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 21) JMP 3201

ENCH468N **Research; Bionanotechnology**

ENCH468N Research: Bionanotechnology; (3 credits) Grade Method: REG/P-F/AUD.
Basic knowledge of molecular and cell biology/biochemistry desirable (BIOE 120, BSCI 105, BCHM 461 or equivalent).

0101	Srinivasa Raghavan TuTh 5:00pm - 6:15pm	Seats (Total: 30) CHE 2108

ENCH482 **Biochemical Engineering**

ENCH482 *(PermReq)* **Biochemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCH440. Introduction to biochemical and microbiological applications to commercial and engineering processes, including industrial fermentation, enzymology, ultrafiltration, food and pharmaceutical processing and resulting waste treatment. Enzyme kinetics, cell growth, energetics and mass transfer.

0101	Nam Sun Wang MWF 10:00am - 10:50am	Seats (Total: 40) CHE 2136

ENCH490 **Introduction to Polymer Science**

ENCH490 *(PermReq)* **Introduction to Polymer Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424 and ENCH440. Also offered as ENMA495. Credit will be granted for only one of the following: ENCH490 or ENMA495. The elements of the chemistry, physics, processing methods, and engineering applications of polymers.

0101	Kyu Yong Choi TuTh 9:30am - 10:45am	Seats (Total: 30) CHE 2136

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Raymond Adomaitis	Seats (Total: 35)
	Tu 11:00am - 12:15pm	CHE 2110

ENCH610 **Chemical Engineering Thermodynamics**

ENCH610 Chemical Engineering Thermodynamics; (3 credits) Grade Method: REG/AUD.
Advanced application of the general thermodynamic methods to chemical engineering problems. First and second law consequences; estimation and correlation of thermodynamic properties; phase and chemical reaction equilibria.

0101	Jeffery Klauda	Seats (Total: 35)
	MW 4:00pm - 5:15pm	CHE 2136

ENCH620 **Methods of Engineering Analysis**

ENCH620 Methods of Engineering Analysis; (3 credits) Grade Method: REG/AUD.
Application of selected mathematical techniques to the analysis and solution of engineering problems; included are the applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to such problems as unsteady heat transfer, transient phenomena in mass transfer operations, stagewise processes, chemical reactors, process control, and nuclear reactor physics.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 35)
	MW 2:30pm - 3:45pm	CHM 0124

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648B **Special Problems in Chemical Engineering; Advanced Biochemical Engineering**

ENCH648B Special Problems in Chemical Engineering: Advanced Biochemical Engineering; (3 credits) Grade Method: REG.

0101	Nam Sun Wang Contact instructor or department for details.	Seats (Total: 10)

ENCH648L **Special Problems in Chemical Engineering; Photovoltaics: Solar Energy**

ENCH648L Special Problems in Chemical Engineering: Photovoltaics: Solar Energy; (3 credits) Grade Method: REG/AUD.

0101	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 30) JMP 3201
FS01	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 5) Location: TBA
HG01	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 5) Location: TBA
HT01	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 5) Location: TBA
ME01	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 5) Location: TBA
SG01	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 5) Location: TBA
SM01	Raymond Adomaitis Tu 5:00pm - 7:40pm	Seats (Total: 5) Location: TBA

ENCH648N **Special Problems in Chemical Engineering; Bionanotechnology: Physical Principles**

ENCH648N Special Problems in Chemical Engineering: Bionanotechnology: Physical Principles; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE689N.

0101	Srinivasa Raghavan TuTh 5:00pm - 6:15pm	Seats (Total: 25) CHE 2108

ENCH799 **Master's Thesis Research**

ENCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Fall 2010

ENCO099 **Co-Op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience; (No credit)** Grade Method: S-F.
If dropping course, see Withdrawal and Refund of Fees - Special Refund Deadlines in the Financial Information section of the Schedule of Classes.

0101	Heidi Sauber, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering — Fall 2010

ENEE131 **Technology Choices**

ENEE131 Technology Choices; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
An exploration of the positive and negative effects of technology on society, via diverse criteria to assess the relative well being of individuals and society; an examination of how society can help shape the future of technology and the tools that can be used to make wise technology choices.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Wesley Lawson MWF 9:00am - 9:50am Tu 10:00am - 10:50am	Seats (Total: 20) CSI 2117 CHE 2145	 Discussion
0102	Wesley Lawson MWF 9:00am - 9:50am Th 1:00pm - 1:50pm	Seats (Total: 20) CSI 2117 CHE 2145	 Discussion

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
Prerequisite: permission of department. For ENEE majors only. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings. enee

0101	Charles Silio Tu 3:30pm - 4:45pm WF 9:00am - 9:50am	Seats (Total: 15) CSI 2117 AVW 2446	 Discussion
0102	Charles Silio Tu 3:30pm - 4:45pm WF 10:00am - 10:50am	Seats (Total: 15) CSI 2117 AVW 2446	 Discussion
0103	Charles Silio Tu 3:30pm - 4:45pm WF 11:00am - 11:50am	Seats (Total: 15) CSI 2117 AVW 2446	 Discussion

0104	Charles Silio Tu 3:30pm - 4:45pm WF 12:00pm - 12:50pm	Seats (Total: 15) CSI 2117 AVW 2446	Discussion
0105	Charles Silio Tu 3:30pm - 4:45pm WF 1:00pm - 1:50pm	Seats (Total: 15) CSI 2117 AVW 2446	Discussion
0106	Charles Silio Tu 3:30pm - 4:45pm WF 2:00pm - 2:50pm	Seats (Total: 13) CSI 2117 AVW 2446	Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
Departmental permission requires a score of 5 on the A Java AP exam, or a score of 4 or 5 on the AB Java AP exam, or satisfactory performance on the department's placement exam. Prerequisite: ENEE140 or permission of department. Corequisite: MATH140. For ENEE majors only. Credit will be granted for only one of the following: ENEE114 or ENEE150. Formerly ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Donald Yeung MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 12) CHE 2118 AVW 1442	Discussion
0102	Donald Yeung MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 12) CHE 2118 AVW 1442	Discussion
0103	Donald Yeung MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 12) CHE 2118 AVW 1442	Discussion
0104	Donald Yeung MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 12) CHE 2118 AVW 1442	Discussion

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits)
Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Sophomore standing. Designed for both engineeering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Wesley Lawson MW 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 18) CSI 1115 EGR 2116	Discussion
0102	Wesley Lawson MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 18) CSI 1115 CSI 2118	Discussion
0103	Wesley Lawson MW 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 18) CSI 1115 EGR 1110	Discussion
0104	Wesley Lawson MW 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 18) CSI 1115 EGR 1108	Discussion
0105	Wesley Lawson MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 18) CSI 1115 EGR 3106	Discussion
0106	Wesley Lawson MW 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 18) CSI 1115 EGR 3114	Discussion
0107	Wesley Lawson MW 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 18) CSI 1115 MTH 0104	Discussion

ENEE204 **Basic Circuit Theory**

ENEE204 *(PermReq)* **Basic Circuit Theory; (3 credits)** Grade Method: REG.
Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262). Corequisite: MATH246. Basic circuit elements: resistors, capacitors, inductors, sources, mutual inductance and transformers; their I-V relationships. Kirchoff's Laws. DC and AC steady state analysis. Phasors, node and mesh analysis, superposition, theorems of Thevenin and Norton. Transient analysis for first- and second-order circuits. Engineering College only (04).

0101	Romel Gomez TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 12) KEB 1110 EGR 1110	 Discussion
0102	Romel Gomez TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 12) KEB 1110 EGR 1110	 Discussion
0103	Romel Gomez TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 12) KEB 1110 EGR 1110	 Discussion
0104	Romel Gomez TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 12) KEB 1110 EGR 1110	 Discussion
0106	Romel Gomez TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 12) KEB 1110 EGR 1110	 Discussion

ENEE206 **Fundamental Electric and Digital Circuit Laboratory**

ENEE206 *(PermReq)* **Fundamental Electric and Digital Circuit Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE244. Corequisite: ENEE204. For ENEE majors 09090 only. Credit will be granted for only one of the following: ENEE206 or ENEE305. Formerly ENEE305. Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.) Design, construction, and characterization of circuits containing passive elements, operational amplifiers, and digital integrated circuits. Transient and steady-state response. This course is a prerequisite to all upper level ENEE laboratories.

0101	Manoj Franklin M 9:00am - 9:50am M 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0102	Manoj Franklin M 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0105	Manoj Franklin M 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0109	Manoj Franklin M 9:00am - 9:50am Th 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0111	Manoj Franklin M 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab

ENEE241 **Numerical Techniques in Engineering**

ENEE241 *(PermReq)* **Numerical Techniques in Engineering; (3 credits)** Grade Method: REG.
Prerequisite: MATH141; and {ENEE114 or CMSC106 or equivalent} Restricted to Engineering, Math and Physics majors only. Also offered as MATH 242. Credit will be granted for only one of the following: ENES240 or ENEE241 or MATH242. Formerly ENES240. Introduction to error analysis, conditioning and stability of algorithms. Numerical solution of nonlinear equations. Vector spaces and linear transformations. Matrix algebra. Gaussian elimination. LU factorization, matrix inversion. Similarity transformations and diagonalization. Iterative computation of eigenvalues. Interpolation; splines; data fitting. Numerical integration.

0101	Gilmer Blankenship MW 12:30pm - 1:45pm Tu 9:00am - 9:50am	Seats (Total: 20) KEB 1110 KEB 2107	 Discussion
0103	Gilmer Blankenship MW 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 20) KEB 1110 KEB 2107	 Discussion

0201	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 20) KEB 1110 KEB 2107	Discussion
0202	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 20) KEB 1110 KEB 2107	Discussion
0203	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 20) KEB 1110 KEB 2107	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG. *Sophomore standing and permission of department. For ENEE and ENCP majors only.* The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion. Engineering College only (04).

0101	Rajeev Barua MW 9:30am - 10:45am Th 9:00am - 9:50am	Seats (Total: 14) EGR 1108 EGR 1110	Discussion
0102	Rajeev Barua MW 9:30am - 10:45am Th 10:00am - 10:50am	Seats (Total: 14) EGR 1108 EGR 1110	Discussion
0103	Rajeev Barua MW 9:30am - 10:45am Th 11:00am - 11:50am	Seats (Total: 14) EGR 1108 EGR 3111	Discussion
0201	Kazuo Nakajima TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 14) CHE 2108 EGR 3102	Discussion

0202	Kazuo Nakajima TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 14) CHE 2108 EGR 3111	Discussion
0203	Kazuo Nakajima TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 14) CHE 2108 EGR 3102	Discussion
0204	Kazuo Nakajima TuTh 3:30pm - 4:45pm M 1:00pm - 1:50pm	Seats (Total: 0) CHE 2108 EGR 3114	Discussion

ENEE303 **Analog and Digital Electronics**

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 28) KEB 1110 EGR 1104	Discussion
0102	Manoj Franklin MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 28) KEB 1110 EGR 2116	Discussion
0201	Timothy Horiuchi TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) CHE 2118 EGR 0108	Discussion
0202	Timothy Horiuchi TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 25) CHE 2118 EGR 0108	Discussion

ENEE303H **Analog and Digital Electronics**

ENEE303H *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303.

0101	Martin Peckerar TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 20) EGR 1104 EGR 2154	 Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.

Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. Corequisite: ENEE303. For ENEE and ENCP majors only. Not open to students who have completed ENEE306. Credit will be granted for only one of the following: ENEE306 and ENEE307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 lectures.

0101	Neil Goldsman W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0104	Neil Goldsman W 9:00am - 9:50am Tu 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0105	Neil Goldsman W 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0107	Neil Goldsman W 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab

0108	Neil Goldsman W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0109	Neil Goldsman W 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0110	Neil Goldsman W 9:00am - 9:50am Th 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0111	Neil Goldsman W 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0112	Neil Goldsman W 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C (2.0) or higher in all requied 200-level courses and permission of department. For ENEE and ENCP majors only. Credit will be granted for only one of the following: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Agisilaos Iliadis TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) KEB 1110 EGR 3114	 Discussion
0103	Agisilaos Iliadis TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 25) KEB 1110 EGR 2116	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C (2.0) or higher in MATH246 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only.* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. ENEE majors (09090) only.

0101	Carol Espy-Wilson MW 12:30pm - 1:45pm Tu 9:00am - 9:50am	Seats (Total: 29) EGR 2107 ITV 1111	 Discussion
0102	Carol Espy-Wilson MW 12:30pm - 1:45pm Tu 10:00am - 10:50am	Seats (Total: 29) EGR 2107 EGR 0108	 Discussion
0201	Anthony Ephremides TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 24) CHE 2118 EGR 2116	 Discussion
0202	Anthony Ephremides TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 25) CHE 2118 EGR 2116	 Discussion
FR01	Carol Espy-Wilson Contact instructor or department for details.	Seats (Total: 0)	

ENEE322H **Signal and System Theory**

ENEE322H *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C (2.0) or higher in MATH246 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only.* This course is for ENEE Honors students only.

0101	Nuno Martins TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 20) EGR 1104 CHE 2136	 Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Gang Qu MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 25) EGR 1202 EGR 0108	 Discussion
0103	Gang Qu MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 25) EGR 1202 EGR 1104	 Discussion
0201	Prakash Narayan TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 10) CSI 2120 EGR 0108	 Discussion
0202	Prakash Narayan TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 20) CSI 2120 EGR 2154	 Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. For ENEE and ENCP majors only. Not open to students who have completed ENEE250. Formerly ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. ENEE majors (09090) only

0101	Yavuz Oruc MW 9:30am - 10:45am Th 10:00am - 10:50am	Seats (Total: 22) EGR 1104 EGR 0108	 Discussion
0102	Yavuz Oruc MW 9:30am - 10:45am Th 1:00pm - 1:50pm	Seats (Total: 22) EGR 1104 EGR 3102	 Discussion
0201	Charles Silio TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 25) CHE 2118 EGR 2154	 Discussion
0202	Charles Silio TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 25) CHE 2118 EGR 0108	 Discussion

ENEE350H **Computer Organization**

ENEE350H *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: A grade of C (2.0) or higher in all required 200-level ENEE courses and permission of department. Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. For ENEE and ENCP majors only. Not open to students who have completed ENEE250. Formerly ENEE250.* For general honors students only.

0101	Ankur Srivastava TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 20) EGR 1104 CHE 2136	 Discussion

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only.

0101	Edo Waks MW 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 25) KEB 1110 EGR 2116	Discussion
0102	Edo Waks MW 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 25) KEB 1110 EGR 2116	Discussion
0201	Ping-Tong Ho TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 28) KEB 1110 EGR 0108	Discussion
0202	Ping-Tong Ho TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 28) KEB 1110 EGR 0108	Discussion

ENEE380H **Electromagnetic Theory**

ENEE380H *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG.
Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum.

0101	Christopher Davis TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 20) EGR 1104 EGR 3102	Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. For ENEE majors only. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas. ENEE majors only (09090).

0101	Julius Goldhar TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 28) KEB 1110 CHM 0124	Discussion

0102	Julius Goldhar TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 28) KEB 1110 EGR 2154	 Discussion

ENEE408A **Capstone Design Project:Microprocessor-Based Design**

ENEE408A *(PermReq)* **Capstone Design Project:Microprocessor-Based Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Restricted to ENEE and ENCP students. Prerequisite: ENEE 440. Click here f or more information

0101	William Hawkins Th 8:00am - 9:15am TBA	Seats (Total: 15) AVW 2446 AVW 1454	 Lab

ENEE408E **Capstone Design Project: Optical System Design**

ENEE408E *(PermReq)* **Capstone Design Project: Optical System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENEE 380. Co-requisite: ENEE381 (Capstone design for EE majors only). Click here f or more information

0101	Christopher Davis MW 9:30am - 10:45am	Seats (Total: 40) EGR 3106	

ENEE408I **Capstone Design Project: Autonomous Control of Interacting Robots**

ENEE408I *(PermReq)* **Capstone Design Project: Controls; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENEE114, ENEE322, and modest experience with C programming. Click here for more course information.

0101	Gilmer Blankenship W 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) EGR 3102 KEB 3209	 Lab
0102	Gilmer Blankenship W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) EGR 3102 KEB 3209	 Lab

ENEE416 **Integrated Circuit Fabrication Laboratory**

ENEE416 *(PermReq)* **Integrated Circuit Fabrication Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in ENEE303 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Not open to students who have completed ENEE419J. Formerly ENEE419J.
Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.

0101	Nathan Siwak Th 9:30am - 10:45am Tu 9:00am - 12:00pm	Seats (Total: 5) EGR 3111 KEB 2300	 Lab
0102	Nathan Siwak Th 9:30am - 10:45am W 12:30pm - 3:30pm	Seats (Total: 5) EGR 3111 KEB 2300	 Lab
0103	Nathan Siwak Th 9:30am - 10:45am F 12:30pm - 3:30pm	Seats (Total: 5) EGR 3111 KEB 2300	 Lab

ENEE419A **Topics in Microelectronics; Analog and Digital Electronics II**

ENEE419A *(PermReq)* **Topics in Microelectronics: Analog and Digital Electronics II; (3 credits)** Grade Method: REG.
Restricted to ENEE and ENCP majors. Prerequisite: ENEE303. Click here f or more information

0101	Pamela Abshire MW 12:30pm - 1:45pm	Seats (Total: 30) CHE 2118	

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum.* Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Armand Makowski	Seats (Total: 30)
	MW 11:00am - 12:15pm	EGR 1104

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum.* Sampling as a modulation process; aliasing; the sampling theorem; the *Z*-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	Adrianos Papamarcou	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	EGR 1108

ENEE426 **Communication Networks**

ENEE426 *(PermReq)* **Communication Networks; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 major code.* The main design issues associated with computer networks, satellite systems, radio nets, and general communication networks. Application of analytical tools of queuing theory to design problems in such networks. Review of proposed architectures and protocols.

0101	Mark Shayman	Seats (Total: 40)
	TuTh 9:30am - 10:45am	EGR 1108

ENEE428 **Communications Design Laboratory**

ENEE428 *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.

0101	Steven Tretter M 10:00am - 10:50am M 2:00pm - 5:00pm	Seats (Total: 12) EGR 3102 AVW 1450	 Lab
0102	Steven Tretter M 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 12) EGR 3102 AVW 1450	 Lab

ENEE435 **Introduction to Electrical Processes, Structure and Computing Models of the Brain**

ENEE435 *(PermReq)* **Introduction to Electrical Processes, Structure and Computing Models of the Brain; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in ENEE205 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Concepts, theoretical and experimental probing methods and models for understanding the human brain structures and functions from an engineering viewpoint. Bioelectric phenomena of cells and electrical circuit functional models. Neurons as signal generators, decision elements, and information transmission and processing devices. Basic neural circuits and models. Experimental techniques, signal recording and analysis. Brain architecture-communication, control and information processing structures and functions. Memory, associations learning and higher brain functions. Computer simulations and computational models. Overview of brain-inspired intelligent machine approaches and systems.

0101	Nicholas De Claris TuTh 3:30pm - 4:45pm	Seats (Total: 22) CSI 2118

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. For ENEE and ENCP majors only. Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems. ENEE majors only (09090).

0101	William Hawkins	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSI 1122	

ENEE445 **Computer Laboratory**

ENEE445 *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG. *Prerequisite: A grade of C (2.0) or higher in (ENEE205 or ENEE206) and ENEE350, and all other 200-level ENEE courses and permission of department. For ENEE and ENCP majors only.* This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	William Hawkins	Seats (Total: 12)	
	Tu 9:30am - 10:20am	EGR 3111	
	Th 2:00pm - 5:00pm	AVW 1454	Lab

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Yavuz Oruc	Seats (Total: 35)	
	MW 3:30pm - 4:45pm	EGR 1104	

ENEE459A **Topics in Computer Engineering; CAD Tools for Microprocessor Design**

ENEE459A *(PermReq)* **Topics in Computer Engineering: CAD Tools for Microprocessor Design; (1 credit)** Grade Method: REG.

0101	William Hawkins	Seats (Total: 12)	
	Tu 8:25am - 9:15am	AVW 2446	

ENEE459K **Topics in Computer Engineering; Hardware FPGA Design Using Verilog**

ENEE459K *(PermReq)* **Topics in Computer Engineering: Hardware FPGA Design Using Verilog; (3 credits)** Grade Method: REG.

0101	Kazuo Nakajima	Seats (Total: 12)	
	Tu 12:30pm - 2:20pm	AVW 2446	
	Th 12:30pm - 2:30pm	AVW 2446	Lab

ENEE459P **Topics in Computer Engineering; Parallel Algorithms**

ENEE459P *(PermReq)* **Topics in Computer Engineering: Parallel Algorithms; (3 credits)** Grade Method: REG.

0101	Uzi Vishkin	Seats (Total: 25)
	MW 9:30am - 10:45am	ITV 1100

ENEE460 **Control Systems**

ENEE460 *(PermReq)* **Control Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. For ENEE majors only.* Mathematical models for control system components. Transform and time domain methods for linear control systems. Introductory stability theory. Root locus, bode diagrams and Nyquist plots. Design specifications in the time and frequency domains. Compensation design in the time and frequency domain. Introduction to sampled data systems. ENEE majors (09090) only.

0101	Andre Tits	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 1108

ENEE474 **Power Systems**

ENEE474 *(PermReq)* **Power Systems; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENEE322 and completion of all lower-division technical in the EE curriculum.* Interconnected power systems, transmission lines, load flow studies, unit commitment and economic dispatch. Three phase networks, machine models. Symmetrical components, fault analysis and unbalanced operation. Power system transients, stability and numerical methods in power system analysis.

0101	Isaak Mayergoyz	Seats (Total: 38)	
	TuTh 2:00pm - 3:15pm	CSI 1122	

ENEE480 **Fundamentals of Solid State Electronics**

ENEE480 *(PermReq)* **Fundamentals of Solid State Electronics; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in ENEE303 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Crystal structure and materials preparation; carrier transport; elementary quantum mechanics applied to solids; band structure of metals, insulators, and semiconductors; field effect transistors; PN junctions; bipolar transistors; fabrication of devices. ENEE majors (09090) only.

0101	Martin Peckerar	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	EGR 3106	

ENEE486 **Optoelectronics Lab**

ENEE486 *(PermReq)* **Optoelectronics Lab; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C (2.0) or higher in (ENEE205 or ENEE206) and PHYS270/271 and all required 200-level ENEE courses and permission of department. For ENEE and ENCP majors only. Hands-on experience in performing measurements in optics and electro-optics. Basics of optics, light detectors, Fourier optics, gratings and spectrometers, pulsed dye lasers, fiber optics, electro-optics, and acousto-optics.

0101	Mario Dagenais	Seats (Total: 12)	
	W 11:00am - 11:50am	EGR 1110	
	W 2:00pm - 5:00pm	AVW 1362	Lab

ENEE488 **Independent Study in Electrical and Computer Engineering**

2801	Donald Yeung	Seats (Total: 2)
	Contact instructor or department for details.	

ENEE490 **Physical Principles of Wireless Communications**

ENEE490 *(PermReq)* **Physical Principles of Wireless Communications; (3 credits)** Grade Method: REG.
Prerequisite: ENEE381 Restricted to ENEE and ENCP students. Not open to students who have completed ENEE498B. Credit will be granted for only one of the following: ENEE490 or ENEE498B. Formerly ENEE498B.

0101	Victor Granatstein	Seats (Total: 40)
	MW 12:30pm - 1:45pm	EGR 1108

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

ENEE499L *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

ENEE499R *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergradute Teaching Experience**
Contact department for information to register for this course.

ENEE600 **Solid State Electronics**

ENEE600 Solid State Electronics; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 480; background in elementary quantum mechanics. Credit will be granted for only one of the following: ENEE 600 or ENEE 793. Formerly ENEE793. Properties of crystals; energy bands: electron transport theory; conductivity and hall effect; statistical distributions; fermi level: impurities; non-equilibrium carrier distributions; normal modes of lattice vibration and thermal properties of crystals; tunneling phenomena; surface properties.

0101	John Melngailis	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 3106

ENEE605 **Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS)**

ENEE605 Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS); (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 312 or equivalent. Credit will be granted for only one of the following: ENEE 605 or ENEE 719R. Formerly ENEE719R. The goals are to explore the world of Micro-Electro-Mechanical Systems (MEMS) by understanding its design and fabrication aspects.

0101	Javier Atencia-Fernandez	Seats (Total: 30)
	MW 11:00am - 12:15pm	EGR 3106

ENEE610 **Electrical Network Theory**

ENEE610 Electrical Network Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate circuit theory or permission of instructor. Matrix algebra, network elements, ports, passivity and activity, geometrical and analytical descriptions of networks, state variable characterizations, scattering matrices, signal flow graphs, sensitivity.

0101	Robert Newcomb	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EGR 3106

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Armand Makowski MW 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 22) CHM 0128 EGR 0108	 Discussion
0102	Armand Makowski MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 22) CHM 0128 EGR 1108	 Discussion

ENEE623 **Digital Communications**

ENEE623 Digital Communications; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 620 and ENEE 420 or equivalents, or permission of instructor. Review of sampling and quantization, functional characterization of digital signals and transmission facilities, band-limited signals and systems. Digital modulation/demodulation techniques, error probability, intersymbol interference and its effects, adaptive equalization. Signaling with coded waveforms, fading and satellite channels, multiple access problems and protocols. Introduction to spread-spectrum Communications.

0101	Richard La TuTh 12:30pm - 1:45pm	Seats (Total: 30) EGR 1108	

ENEE626 **Error Correcting Codes**

ENEE626 Error Correcting Codes; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 420 or equivalent. Credit will be granted for only one of the following: ENEE 626 or ENEE 722. Formerly ENEE722. Introduction to linear codes; bounds on the error correction capabilities of codes; convolutional codes with threshold, sequential and viterbi decoding; cyclic random error correcting codes; P-N sequences; cyclic and convolutional burst error correcting codes.

0101	Alexander Barg	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 1104

ENEE630 **Advanced Digital Signal Processing**

ENEE630 Advanced Digital Signal Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 425. Corequisite: ENEE 620. Credit will be granted for only one of the following: ENEE 624 or ENEE 630. Formerly ENEE624. This is the first-year graduate course in signal processing. The objective is to establish fundamental concepts of signal processing on multirate processing, parametric modeling, linear prediction theory, modern spectral estimation, and high-resolution techniques.

0101	Min Wu	Seats (Total: 45)
	MW 12:30pm - 1:45pm	EGR 1104

ENEE641 **Mathematical Foundations for Computer Engineering**

ENEE641 Mathematical Foundations for Computer Engineering; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENEE 641 or ENEE 759F. Formerly ENEE759F. Mathematical modeling, design, analysis and proof techniques related to computer engineering. Probability, logic, combinatorics, set theory, and graph theory, as they pertain to the design and performance of computer engineering systems. Techniques for the design and analysis of efficient computational methods from graph theory and networks. Understanding of the limits on the efficiency of such computational methods. Translation from mathematical theory to actual programming. The course emphasizes mathematical rigor.

0101	Uzi Vishkin	Seats (Total: 40)
	MW 11:00am - 12:15pm	CHE 2118

ENEE646 **Digital Computer Design**

ENEE646 Digital Computer Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 446 or equivalent knowledge of basic computer design, as well as experience in assembly language programming for at least one instruction set architecture and basic probability theory.* Concepts and techniques for design of computer systems with improved performance. Advanced I/O systems, memory organization, pipeland and parallel processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, multiprocessors, performance evaluation.

0101	Peter Petrov	Seats (Total: 30)
	MW 2:00pm - 3:15pm	CHE 2118

ENEE660 **System Theory**

ENEE660 System Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE460 or equivalent; MATH463 or equivalent; or permission of instructor. Also offered as MAPL460. Credit will be granted for only one of the following: ENEE660, ENEE663, or MAPL640. Formerly ENEE663.* General systems models. State variables and state space. Linearity and its implications. Controllability and observability. State space structure and representation. Realization theory and algorithmic solutions. Parameterizations of linear systems; canonical forms. Basic results from stability theory. Stabilizability. Fine structure of linear multivariable systems; minimal indices and polynomial matrices. Interplay between frequency domain and state space.

0101	Perinkulam Krishnaprasad	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 3118

ENEE680 **Electromagnetic Theory I**

ENEE680 Electromagnetic Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 381 or equivalent.* Theoretical analysis and engineering applications of Maxwell's equations. Boundary value problems of electrostatics and magnetostatics.

0101	Thomas Antonsen	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 1108

ENEE690 **Quantum and Wave Phenomena with Electrical Application**

ENEE690 Quantum and Wave Phenomena with Electrical Application; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 381 and ENEE 382 or equivalent. Introduction of quantum and wave phenomena from electrical engineering point of view. Topics included: general principles of quantum mechanics, operator algebra, the microwave resonant cavity and the analagous potential well problem, harmonic oscillator, hydrogenic atom. Perturbation method applied to the transmission line and potential well problems. Periodically loaded transmission line and Kronig-Penny model of band theory.

0101	Howard Milchberg MW 11:00am - 12:15pm	Seats (Total: 30) EGR 1108

ENEE698C **Graduate Seminar; Controls**

ENEE698C Graduate Seminar: Controls; (1 credit) Grade Method: REG/AUD.
ENEE majors only. Click here for more course information.

0101	Perinkulam Krishnaprasad M 5:00pm - 6:00pm	Seats (Total: 18) CSI 2118

ENEE698Q **Graduate Seminar; Colloquium**

ENEE698Q Graduate Seminar: Colloquium; (1 credit) Grade Method: REG.
Click here for more course information.

0101	Patrick O'Shea F 3:00pm - 4:00pm	Seats (Total: 80) KEB 1110

ENEE698T **Graduate Seminar; Technology Law**

ENEE698T Graduate Seminar: Technology Law; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more information.

0101	Michael Oblon Tu 6:00pm - 8:00pm	Seats (Total: 35) CSI 2120

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE704 **Physics and Simulation of Semiconductor Devices**

ENEE704 Physics and Simulation of Semiconductor Devices; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 600; ENEE 601 and exposure to quantum mechanics. Credit will be granted for only one of the following: ENEE 694 and ENEE 704. Formerly ENEE694. The physics of electron transport in semiconductor devices will be covered. Numerical methods for attaining solutions to transport equations will be explored. Students will also learn how to use CAD tools fro semiconductor device design. Nano-electronic devices will be introduced.

0101	Neil Goldsman	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 3106

ENEE723 **Wireless Communication Networks**

ENEE723 Wireless Communication Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 620 and ENEE 625; or equivalent. Reviews the fundamental characteristics of wireless networks by focusing on the wireless link, on the media access control, and on interference issues. It reviews the cellular architecture model with emphasis on bandwidth reuse, power control, handoffs, and mobility tracking. It then considers wireless local area networks with focus on routing/multicasting and on capacity notions. It also considers the principles of layer integration and energy efficiency and it reviews the special cases of sensor networks and satellite systems.

0101	KJ Ray Liu	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	EGR 1108

ENEE729E **Advanced Topics in Communication; Information-Theoretic Security for Wireless Communications**

ENEE729E Advanced Topics in Communication: Information-Theoretic Security for Wireless Communications; (3 credits) Grade Method: REG/AUD.

0101	Sennur Ulukus	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 3106

ENEE731 **Image Understanding**

ENEE731 Image Understanding; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 631 and ENEE 633. Credit will be granted for only one of the following: ENEE 739J or ENEE 731. Formerly ENEE739J.* An advanced graduate level course on image understanding. Mathematical and statistical approaches to solving image understanding problems will be discussed. Topics to be covered include: optimal edge and shape detection; image understanding using Markov random field models; Monte Carlo Markov Chain techniques for image understanding; shape from shading, stereo, texture and contour; structure from motion and object recognition. Existence, uniqueness and convergence issues for many of these problems will be discussed. Also offered as CMSC828P.

0101	Ramalingam Chellappa	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	CSI 1121

ENEE762 **Stochastic Control**

ENEE762 Stochastic Control; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE620 or equivalent; and ENEE660 or equivalent. Also offered as MAPL 742.* Stochastic control systems, numerical methods for the Ricatti equation, the separation principle, control of linear systems with Gaussian signals and quadratic cost, non-linear stochastic control, stochastic stability, introduction to stochastic games.

0101	Steven Marcus	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 1104

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**

Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Fall 2010

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Kevin Calabro MW 8:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 50) JMP 1116 EGR 1202	 Discussion
0201	George Syrmos TuTh 8:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 48) JMP 1116 EGR 1202	 Discussion
0301	Isabel Lloyd MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 48) JMP 1116 EGR 1202	 Discussion
0302	Kristen Hines MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 40) JMP 1215 EGR 1202	 Discussion

0401	Peter Kofinas TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 48) JMP 1116 EGR 1202	 Discussion
0402	John Cumings TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 40) JMP 1215 EGR 1202	 Discussion
0501	Christopher Davis MW 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 48) JMP 1116 EGR 1202	 Discussion
0601	Peter Sunderland TuTh 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 50) JMP 1116 EGR 1202	 Discussion
0602	Christopher Cadou TuTh 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1215 EGR 1202	 Discussion
0701	David Lovell MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 48) JMP 1116 EGR 1202	 Discussion
0702	Kevin Calabro MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1215 EGR 1202	 Discussion
0801	Evandro Valente TuTh 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 50) JMP 1116 EGR 1202	 Discussion

ENES102 **Mechanics I**

ENES102 *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. For engineering majors only. Formerly ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Thomas Beigel MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 62) CHM 0128 CHM 0128	 Discussion
0104	Mary Bowden MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 62) CHM 0115 CHM 0115	 Discussion

ENES102H **Mechanics I**

ENES102H *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: MATH140. For engineering majors only. Formerly ENES110.

0101	Peter Chang TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 48) JMP 3216 JMP 1202	 Discussion
0102	Peter Chang TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 45) EGR 0135 EGR 0110	 Discussion
0104	Gary Pertmer TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 48) EGR 1108 EGR 3106	 Discussion
0105	Gary Pertmer TuTh 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 48) CSS 1113 EGR 1104	 Discussion

ENES115 **FLEXUS Living and Learning Community Seminar I**

ENES115 *(PermReq)* **FLEXUS Living and Learning Community Seminar I; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Restricted to first year FLEXUS Participants (coded as WCY). The seminar focuses on personal and professional development related to the field of engineering with a strong emphais on clarifying career goals and decisions. Additional topics include an introduction to campus and engineering resources, basic tools, and undergraduate research opportunities. Students will discuss issues of concern through a variety of book readings, self-reflections, and panel discussions with practicing women engineers.

0101	Paige Smith W 4:00pm - 5:30pm	Seats (Total: 50) SPH 0302

ENES141 **Introduction to High-Tech Product Development and Marketing**

ENES141 Introduction to High-Tech Product Development and Marketing; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Multi-disciplinary course covers basic concepts in technology marketing, business, engineering, and entrepreneurship in the context of developing and marketing innovative technology products and services. Mix of lectures, experiential learning, and hands-on team projects, culminating in student team presentations of high-tech product concepts and marketing plans.

FC01	Dean Chang TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) TAP 1103

ENES151 **EES Fellows Freshmen Seminar**

ENES151 *(PermReq)* **EES Fellows Freshmen Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Meredith DeMoss W 4:00pm - 5:15pm	Seats (Total: 15) EGR 3111

ENES152 **EES Fellows Transfer Seminar**

ENES152 *(PermReq)* **EES Fellows Transfer Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	LaWanda Kamalidiin Th 4:00pm - 5:15pm	Seats (Total: 15) EGR 1110
0102	LaWanda Kamalidiin Contact instructor or department for details.	Seats (Total: 2)

ENES181 **Dialogue with the Dean**

ENES181 Dialogue with the Dean; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: new students only - transfers and freshmen. For ENGR majors only.* Introduction to Engineering as a Profession, Overview of Martin Institute and Clark School Education and Research Programs, The Future of Engineering and Engineering Education, Basic Technological Literacy, Business and Entrepreneurship Issues for Engineers, the Joy of Discovery, Student Projects: How to get involved, Research and Development Programs: How to get involved, What the corporate sector expects from a new engineering graduate.

0101	Darryll Pines W 4:00pm - 4:50pm	Seats (Total: 100) KEB 1110	

ENES190H **Introduction to Design and Quality**

ENES190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Prerequisite: permission of college. Also offered as BMGT190. Credit will be granted for only one of the following: BMGT190 or ENES190.* First course in a sequence of four Total Quality Program Courses. For total Quality Program participants only. Also offered as ENES190H.

0101	Joseph Bailey TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1333 VMH 1303	 Discussion
0102	Joseph Bailey TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1333 VMH 1307	 Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

FC01	James Green MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 125) CHM 1402	

ENES215 **FLEXUS Living and Learning Community Seminar III**

ENES215 *(PermReq)* **FLEXUS Living and Learning Community Seminar III; (1 credit)** Grade Method: REG.
Prerequisite: ENES115 and ENES116. Restricted to second year FLEXUS participants (coded as WCY). The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing self-confidence and self-efficacy in academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking, mentoring and role modeling, and developing awareness of diversity issues, specifically gender diversity.

0101	Paige Smith Th 4:00pm - 5:15pm	Seats (Total: 34) SPH 0302	
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 30)	

ENES220 **Mechanics II**

ENES220 *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENES102; and MATH141; and PHYS161. For engineering majors only (not including ENEE majors). Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab. Prerequisite: student in the College of Engineering.

0101	William Fourney MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 65) CHM 0119 CHM 0119	 Discussion
0201	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 65) CSI 3117 CSI 3117	 Discussion

0301	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 65) ANS 0408 CSI 3117	Discussion
0401	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 69) CHM 0115 CSI 2117	Discussion
0501	Robert Bonenberger MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 65) CHE 2108 BPS 1243	Discussion
0601	William Fourney MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 65) CSI 3117 SYM 0200	Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENES102 or ENES110; and MATH141; and PHYS161.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0101	Chandrasekhar Thamire MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 45) EGR 0110 CHE 2118	Discussion
0102	Kenneth Kiger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) HBK 0115 CSI 1121	Discussion
0103	Peter Sandborn MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 58) CSI 3117 CHM 0128	Discussion
0104	Peter Sandborn MW 12:00pm - 12:50pm F 11:00am - 12:50pm	Seats (Total: 53) ARM 0110 CHM 2201	Discussion

ENES270 **Inventis-Professional Skills in Engineering**

ENES270 Inventis-Professional Skills in Engineering; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to students in the Inventis program. Prerequisite: ENES170. Engineering professional skills course focusing on team building, communication skills, technical writing, technology management, and intellectual property and standards.

0101	Jacqueline Mac, Jane Fines	Seats (Total: 45)
	Th 5:00pm - 6:15pm	EGR 1104

ENES299A **Engineering Experiences for Underclassmen; Spatial Visualization for Engineering Problem Solving**

ENES299A Engineering Experiences for Underclassmen: Spatial Visualization for Engineering Problem Solving; (1 credit) Grade Method: REG/P-F/AUD.

0101	Guangming Zhang	Seats (Total: 40)
	Meets August 30, 2010 - October 5, 2010	
	MF 4:00pm - 5:40pm	JMP 1116

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as BMGT390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Restricted to QUEST program students. Also offered as BMGT390H.

0101	Jose Suarez	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	VMH 2505

ENES424 **Engineering Leadership Capstone**

ENES424 Engineering Leadership Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES317, ENES320, ENES472 and permission of department. Recommended: ENES100 or equivalent. The work initiated in the Introduction to Engineering Leadership course brings together further exploration of leadership styles and concepts.

0101	Jane Fines MW 5:30pm - 6:45pm	Seats (Total: 35) EGR 0110
0201	Jane Fines Contact instructor or department for details.	Seats (Total: 1)

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 Science, Technology and Society: Certificate Program Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STS certificate students or permission of department. Credit will be granted for only one of the following: ENES440 or UNIV401. Formerly UNIV401. Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	Betsy Mendelsohn Contact instructor or department for details.	Seats (Total: 10)

ENES460 **Fundamentals of Technology Start-Up Ventures**

ENES460 Fundamentals of Technology Start-Up Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BUSI758T. Formerly ENES489A. Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

0301	Carolyn Karlson F 12:00pm - 2:50pm *Restricted to students in the Hillman Entrepreneurs Program.*	Seats (Total: 55) TAP 1103

ENES461 **Advanced Entrepreneurial Opportunity Analysis in Technology Ventures**

ENES461 Advanced Entrepreneurial Opportunity Analysis in Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Explores the factors that influence entrepreneurial opportunity analysis in technology-based ventures. Uses a cognitive theorectical framework to examine the integration of motivation, emotions and information processing modes to make complex entrepreneurial decisions in fast pace technology venture environments.

0101	James Green	Seats (Total: 55)
	Tu 3:30pm - 4:45pm	SCC 2121
	Th 5:00pm - 6:15pm	SQH 1117
	Restricted to students in the Hinman CEO program.	

ENES464 **International Entrepreneurship and Innovation**

ENES464 International Entrepreneurship and Innovation; (3 credits) Grade Method: REG/P-F/AUD.
Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis.

0101	Jay Smith	Seats (Total: 100)
	Tu 5:00pm - 6:15pm	SCC 2121
	Th 5:00pm - 6:15pm	SCC 2121
	Restricted to students in the Hinman CEO program.	

ENES472 **International Business Cultures in Engineering and Technology**

ENES472 International Business Cultures in Engineering and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Also offered as SLLC472. Credit will be granted for only one of the following: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472 or SLLC473. Formerly ARHU439T. The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment. Restricted to students with the minor in international engineering (#EN01) or in engineering leadership development (#EN04). All other students can be placed on a hold file.

0101	Caine Francis	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	CHE 2136

ENES478 **Topics in Engineering Education**

ENES478 *(PermReq)* **Topics in Engineering Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kevin Calabro	Seats (Total: 16)
	M 5:00pm - 6:00pm	Location: TBA

ENES480 **Engineering Honors Seminar I**

ENES480 Engineering Honors Seminar I; (1 credit) Grade Method: REG.
Prerequisite: membership in College of Engineering Honors. Junior standing.
Introduction to engineering leadership, professionalism, and ethics. Discussions of leadership style, elements of success, professional communication, codes of ethics, handling of ethical dilemmas, and the characteristics of a professional.

0102	Richard McCuen	Seats (Total: 12)
	Th 9:30am - 10:20am	EGR 3102

ENES489P **Special Topics in Engineering; Hands-on Systems Engineering Projects**

ENES489P Special Topics in Engineering: Hands-on Systems Engineering Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Baras, Mark Austin Tu 5:00pm - 6:15pm Th 3:30pm - 6:00pm	Seats (Total: 15) CSI 2107 AVW 2250	 Lab

ENES489S **Special Topics in Engineering; Solar Decathlon Engineering Design**

ENES489S *(PermReq)* **Special Topics in Engineering: Solar Decathlon Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Keith Herold TuTh 7:00pm - 9:00pm	Seats (Total: 30) ARC 1111

ENES490H **Quest Consulting and Innovation Practicum**

ENES490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT390 or ENES390. Also offered as BMGT490. Credit will be granted for only one of the following: BMGT490 or ENES490. Fourth course in a sequence of four Total Quality Program Courses. For total Quality Program participants only.

0101	David Ashley, Joseph Bailey W 7:00pm - 9:40pm Contact instructor or department for details.	Seats (Total: 80) VMH 1333

ENES498 **Special Topics in Entrepreneurship**

ENES498 Special Topics in Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
This case study-based course will explore technology entrepreneurship with a focus on leadership, product design and development, and strategies to launch and manage technology ventures. Students will learn the skills to launch and grow a venture through analysis of real-life technology ventures cases.

0301	William Bellows F 12:00pm - 2:50pm *Restricted to students in the Hillman Entrepreneurs Program.*	Seats (Total: 50) HBK 0115

ENES602 **Future Faculty Program Seminar II**

ENES602 *(PermReq)* **Future Faculty Program Seminar II; (1 credit)** Grade Method: REG/AUD.

Open only to students in the Clark School Future Faculty Program. Effective teaching techniques. Basic principles of education and learning. Developing a course; promoting active learning, problem solving and critical thinking; designing exam and assignments; and communicating effectively with students. This course is only open to students in the Clark School Future Faculty Program or by permission of Department.

0101	Steven Marcus	Seats (Total: 25)
	W 3:30pm - 4:45pm	AVW 2460

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 *(PermReq)* **Future Faculty Program Teaching Practicum; (1 credit)** Grade Method: REG/AUD.

Open only to graduate students in the Clark School Future Faculty Program. Students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Prerequisite: ENES602. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course.

0101	Mark Shayman	Seats (Total: 10)
	Contact instructor or department for details.	

ENFP Engineering, Fire Protection Fall 2010

ENFP108 **Hot Topics in Fire Protection Engineering**

ENFP108 Hot Topics in Fire Protection Engineering; (1 credit) Grade Method: REG/P-F/AUD.

0101	James Quintiere	Seats (Total: 25)
	Tu 3:30pm - 4:45pm	JMP 3216

ENFP250 **Introduction to Life Safety Analysis**

ENFP250 Introduction to Life Safety Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENFP421 or ENFP250. Formerly ENFP251. Introduction to fire protection engineering and building regulation, building safety systems, and egress system design. Evacuation modeling. Human behavior in fires. Tenability Analysis.

0101	Mat Chibbaro, James Milke TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) PLS 1140 JMP 3216	 Discussion
0102	Mat Chibbaro, James Milke TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 30) PLS 1140 JMP 3216	 Discussion

ENFP300 **Fire Protection Fluid Mechanics**

ENFP300 *(PermReq)* **Fire Protection Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH246 and (PHYS260 and PHYS261 {Formerly: PHYS262}). Basic principles of fluid flow. Properties of a fluid, velocity field, flow patterns. Pressure distribution in a fluid. Hydrostatic and hydrodynamic problems. Integral relations for control volumes. Differential relations, dimensional analysis and similarity. Internal and external flow problems associated with fire protection systems and fire scenarios.

0101	Marino diMarzo MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 45) JMP 3216 JMP 3216	 Discussion

ENFP405 **Structural Fire Protection**

ENFP405 Structural Fire Protection; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. For ENFP majors only. Effects of elevated temperature on structural materials; steel, concrete, wood, gypsum, glass and reinforced plastics. Experimental evaluation of fire resistance of building assemblies. Analytical methods to evaluate fire resistance of structural members.

0101	James Milke MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 45) WDS 1114 WDS 1114	 Discussion

ENFP415 **Fire Dynamics**

ENFP415 *(PermReq)* **Fire Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENFP300 or ENME331; and ENME320; and ENFP312 or permission of department.* Introduction to premixed and diffusion flames; ignition, flame spread and rate of burning; fire plumes; flame radiation.

0101	Stanislav Stoliarov	Seats (Total: 49)
	TuTh 2:00pm - 3:15pm	JMP 3216

ENFP425 **Fire Modeling**

ENFP425 Fire Modeling; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Senior standing. For ENFP majors only.* An introduction to the elements of enclosure fires through the development of fire modeling algorithms and the application of computer-based fire modeling techniques. Numerical techniques, including curve-fitting, root-finding, integration and the solution of ordinary differential equations, are developed in the context of enclosure fire modeling applications. Math software packages, including primarily spreadsheet programs, are used to address and solve a variety of enclosure fire problems.

0101	Arnaud Trouve	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	JMP 3216

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP489N **Special Topics; Fire and Explosion: Investigation and Reconstruction**

ENFP489N Special Topics: Fire and Explosion: Investigation and Reconstruction; (3 credits) Grade Method: REG/P-F/AUD.
For students with senior standing.

0101	Noah Ryder	Seats (Total: 40)	
	M 4:00pm - 6:45pm	JMP 3216	

ENFP611 **Fire Induced Flows**

ENFP611 Fire Induced Flows; (3 credits) Grade Method: REG/AUD.
Recommended: ENFP 415. Theoretical basis is presented for fire induced bouyancy driven flows. Plumes, ceiling jets, vent flows, compartment flows. Dimensional analysis for correlations and scale model applications. Smoke movement and combustion products.

0101	Andre Marshall	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	JMP 3216	

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1-3 credits)** Grade Method: REG/AUD.

0101	Marino diMarzo	Seats (Total: 5)	
	Contact instructor or department for details.		

ENFP621 **Analytical Procedures of Structural Fire Protection**

ENFP621 Analytical Procedures of Structural Fire Protection; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENFP 312 and ENFP 405. Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.

0101	James Milke	Seats (Total: 17)	
	MW 1:00pm - 1:50pm	WDS 1114	
	W 2:00pm - 2:50pm	WDS 1114	Discussion

ENFP625 **Advanced Fire Modeling**

ENFP625 *(PermReq)* **Advanced Fire Modeling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Validity, utility, reliability of current computer models. Applications of models in risk assessment, underwriting, loss prediction, hazard analysis. Development and validation of specific application models.

EF01	Arnaud Trouve	Seats (Total: 40)
	Meets September 6, 2010 - November 23, 2010	
	Class time/details on ELMs	ONLINE

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629E **Selected Topics; Performance Based Design**

ENFP629E Selected Topics: Performance Based Design; (3 credits) Grade Method: REG/AUD.

EF01	Morgan Hurley, Eric Rosenbaum	Seats (Total: 40)
	Meets September 6, 2010 - November 22, 2010	
	Contact instructor or department for details.	

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Fall 2010

ENGL101 **Academic Writing**

English as a second language classes are listed under UMEI.
ENGL101 Academic Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Students with a TWSE score below 33 must take ENGL 101A in place of ENGL101. Students for whom English is a second language should consider taking ENGL101X in place of ENGL101.

0102	Morgan Fritz MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0119
0104	Nathan Kelber MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) TWS 0221 TWS 0232
0107	Jennifer Dempsey MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0125
0108	Andrew Marsh MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2121
0109	Joseph Kautzer MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1103
0201	Megan Monserez MWF 10:00am - 10:50am	Seats (Total: 9) KEY 0120
0202	Dory Hoffman MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) KEY 0119 TWS 0223
0203	Karl Zuehlke MWF 10:00am - 10:50am	Seats (Total: 7) CCC 1115

0204	Mark Hoffmann MWF 10:00am - 10:50am	Seats (Total: 22) KEY 0124
0209	Amy Katzel MWF 10:00am - 10:50am	Seats (Total: 7) CCC 1105
0210	Jennifer Dempsey MWF 10:00am - 10:50am	Seats (Total: 22) KEY 0125
0213	Steven Kleinman MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1117
0214	Katherine Young MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2120
0301	Joseph Kautzer MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1117
0302	Katherine Young MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 1105
0303	Heather Zadig MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0119
0305	Steven Kleinman MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2122
0311	Justin Lohr MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1107
0313	Andrew Marsh MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1103
0402	Karl Zuehlke MWF 12:00pm - 12:50pm	Seats (Total: 2) CCC 1105
0403	Jacqueline Kautzer MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 0224 TWS 0224

0404	Justin Lohr MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1117
0408	Glenn Hollar MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2120
0409	Dory Hoffman MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) SQH 2122 TWS 0223
0410	Daniel Synk MWF 12:00pm - 12:50pm	Seats (Total: 7) CCC 1115
0411	Joseph Kautzer MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1107
0503	Julia Leverone MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0119
0504	Heather Zadig MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0124
0506	Jocelyn Heath MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0125
0507	Dory Hoffman MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) SQH 1117 TWS 0223
0508	Leigh Ruggiero MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2120
0510	Amy Katzel MWF 12:00pm - 12:50pm	Seats (Total: 2) CCC 1111
0602	Jennifer Dempsey MWF 2:00pm - 2:50pm	Seats (Total: 22) KEY 0119
0603	Leigh Ruggiero MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2120

0605	Jocelyn Heath MWF 2:00pm - 2:50pm	Seats (Total: 22) KEY 0125
0606	Phillip Moses MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 1117
1001	Deborah Koch TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 1105
1002	Willie Davis TuTh 8:00am - 9:15am	Seats (Total: 22) TWS 1106
1004	Tara McClelland TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2121
1007	Joshua Ellis TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1111
1101	Morgan Fritz TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2119
1102	Timothy Jerome TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2122
1103	Douglas Kern TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2120
1104	Deborah Koch TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1105
1106	Jenna Nissan TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1103
1110	Victoria Garton-Gundling TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0120
1111	Sarah Pleydell TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0123
1112	Michelle Boswell TuTh 9:30am - 10:45am	Seats (Total: 22) EDU 0114

1203	Elizabeth Depriest TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1107
1204	Timothy Jerome TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2120
1207	Morgan Fritz TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2117
1208	Noah Siela Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) SQH 2119 TWS 0223
1210	Alison Hennessee TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1111
1212	Jennifer Williams TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2122
1213	Jenna Nissan TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1105
1214	Lyra Hilliard TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1103
1215	Adam Pellegrini TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0120
1301	Adam Binkley TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1111
1303	Seth Nielsen TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 2119
1304	Alison Hennessee TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 2122
1305	Sarah Pleydell TuTh 12:30pm - 1:45pm	Seats (Total: 22) LEF 1201

1308	Lyra Hilliard TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1107
1309	Noah Siela Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 2117 TWS 0232
1312	Rebekah Cunningham TuTh 12:30pm - 1:45pm	Seats (Total: 2) CCC 1115
1313	Shanna Charles TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1105
1314	Douglas Kern TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1103
1315	Kisa Lape TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0120
1316	Victoria Garton-Gundling TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0123
1317	Nicole Gurley TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0126
1401	Fernando Benavidez TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1107
1402	Douglas Kern TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2120
1403	Shayna Maskell TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2122
1407	Judy Spence TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1123
1408	Phillip Moses MWF 9:00am - 9:50am	Seats (Total: 22) TWS 1105

1412	Heather McHale MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2117
1414	Nicole Gurley TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0123
1418	Kara Morillo TuTh 11:00am - 12:15pm	Seats (Total: 22) HBK 0123
1419	Victoria Garton-Gundling TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1105
1420	Paul Cote TuTh 9:30am - 10:45am	Seats (Total: 22) EDU 0206
1421	Willie Davis TuTh 2:00pm - 3:15pm	Seats (Total: 22) KEY 0120
1422	Megan Monserez MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1103
1426	Thomas Earles TuTh 9:30am - 10:45am	Seats (Total: 22) EDU 3236
FC01	Amy Karp MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TLF 1101
FC02	Deborah Bailin MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ASY 3219
FC03	Deborah Bailin MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0119
FC04	Sarah Pleydell TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SKN 1112

FC05	Amber Cohen TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) HBK 0123
FC06	Sarah Dammeyer Tu 4:30pm - 5:45pm Th 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) PLS 1158 TWS 0224
FC07	Deborah Bailin MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 0214
FC08	Lyra Hilliard TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ARM 0102
FC09	Shayna Maskell TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 0214
FC10	Joseph Hall MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 0236
FC11	Lyra Hilliard TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 0236
FC12	Victoria Garton-Gundling TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 1105
FC13	Agnes Bannigan MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 0221

FC14	Joseph Hall MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 1106
FC15	Amber Cohen MW 7:30pm - 8:45pm	Seats (Total: 22) TWS 0236

ENGL101A **Academic Writing**

ENGL101A Academic Writing; (3 credits) Grade Method: REG.
Students should take ENGL 101A rather than ENGL 101 if their TWSE score (a subscore of the SAT verbal) is 33 or below.

1706	Willie Davis TuTh 9:30am - 10:45am	Seats (Total: 15) ARC 1123
1707	Joseph Kautzer MWF 10:00am - 10:50am	Seats (Total: 15) SQH 1103

ENGL101C **Academic Writing**

ENGL101C Academic Writing; (3 credits) Grade Method: REG.
Restricted to students in the Civicus Program.

0204	Susan Pramschufer MWF 10:00am - 10:50am	Seats (Total: 22) SOM 0101
0308	Susan Pramschufer MWF 11:00am - 11:50am	Seats (Total: 22) SOM 0101

ENGL101H **Academic Writing**

ENGL101H Academic Writing; (3 credits) Grade Method: REG.
For general honors students or students with a verbal SAT of 600 or better.

0201	Thomas Lawton MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0120
0501	Thomas Lawton MWF 1:00pm - 1:50pm	Seats (Total: 22) TLF 1103

ENGL101M **Academic Writing**

Contact department for information to register for this course.

ENGL101S **Academic Writing**

ENGL101S Academic Writing; (3 credits) Grade Method: REG.

0203	Karl Zuehlke MWF 10:00am - 10:50am	Seats (Total: 15) CCC 1115
	Restricted to College Park Scholars - Science, Technology and Society.	
0209	Amy Katzel MWF 10:00am - 10:50am	Seats (Total: 15) CCC 1105
	Restricted to College Park Scholars - Media, Self, and Society.	
0309	Daniel Synk MWF 11:00am - 11:50am	Seats (Total: 22) CCC 1105
	Restricted to College Park Scholars - Arts.	
0402	Karl Zuehlke MWF 12:00pm - 12:50pm	Seats (Total: 20) CCC 1105
	Restricted to College Park Scholars - Science, Technology, and Society and Science, Discovery, and the Universe.	
0410	Daniel Synk MWF 12:00pm - 12:50pm	Seats (Total: 15) CCC 1115
	Restricted to College Park Scholars - Arts and International Studies.	
0501	Amy Katzel MWF 12:00pm - 12:50pm	Seats (Total: 20) CCC 1111
	Restricted to College Park Scholars - Global Public Health and Media, Self, and Society.	
1206	Rebekah Cunningham TuTh 11:00am - 12:15pm	Seats (Total: 22) CCC 1115
	Restricted to College Park Scholars - International Studies.	

1312	Rebekah Cunningham TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1115
	Restricted to College Park Scholars - Science, Discovery and the Universe.	

ENGL101X **Academic Writing**

ENGL101X Academic Writing; (3 credits) Grade Method: REG.
Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to Undergraduate Advising. A TOEFL score of 550 with no sectional score below 50. 2. A CELT score of 220 with no subtest score below 60 and a rating of 5 or better on the writing sample. 3. Successful completion of UMEI 005: Advanced English as a Foreign Language, Semi-Intensive.

2003	Nabila Hijazi TuTh 11:00am - 12:15pm	Seats (Total: 18) TWS 3250
2004	Tasos Lazarides MWF 10:00am - 10:50am	Seats (Total: 18) HBK 0108

ENGL201 **Literature of the Western World I: Ancient and Medieval**

ENGL201 Literature of the Western World I: Ancient and Medieval; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of authors, works, and genres, largely continental, in the early Western literary tradition. Readings such as selections from the Bible, Homer, Sophocles, Aeschylus, Sappho, Virgil, Ovid, Seneca, Augustine, Dante, medieval romance.

0301	Ellen Moll MWF 12:00pm - 12:50pm	Seats (Total: 35) BPS 1124
0401	Tod Jones MW 9:30am - 10:45am	Seats (Total: 35) TWS 0205

ENGL202 **Literature of the Western World II: Renaissance to Modern**

ENGL202 Literature of the Western World II: Renaissance to Modern; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of major authors, works, and genres, largely continental, in the late Western literary tradition. Readings may include Cervantes, Calderon, Moliere, Voltaire, Goethe, Dostoevsky, Ibsen, Chekhov, Flaubert, Sand, Camus, drama, the rise of the novel.

0101	Tara McClelland MW 9:30am - 10:45am	Seats (Total: 35) TWS 0214

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0101	Gillian Knoll MWF 12:00pm - 12:50pm	Seats (Total: 35) HZF 0101
0201	Andrew Black MW 9:30am - 10:45am	Seats (Total: 35) WDS 1114
0301	Kisa Lape TuTh 11:00am - 12:15pm	Seats (Total: 35) ARM 0110

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	Heather McHale MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1119
0201	James Goodwin TuTh 12:30pm - 1:45pm	Seats (Total: 35) COL 0102

FC01	Joseph Byrne Tu 4:30pm - 5:45pm Th 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) TWS 0207 TWS 1105

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0701	Sharon Higby TuTh 12:30pm - 1:45pm	Seats (Total: 35) COL 0100
0801	Tasos Lazarides MWF 11:00am - 11:50am	Seats (Total: 35) SQH 1101

ENGL233 **Introduction to Asian American Literature**

ENGL233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as AAST233. Not open to students who have completed AAST233 or AAST298L. Credit will be granted for only one of the following: AAST233, AAST298L or ENGL233. A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis Tu 5:00pm - 7:30pm	Seats (Total: 35) KEY 0126

ENGL234 **Introduction to African-American Literature**

ENGL234 Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
A survey of African-American literature from the late 18th century to the present. Also offered as AASP 298L.

0101	Mary Washington TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0102	Mary Washington TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 EDU 2102	Discussion
0103	Mary Washington TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 KEY 0123	Discussion
0104	Mary Washington TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0105	Mary Washington TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 TWS 0207	Discussion
0107	Mary Washington TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 TWS 0205	Discussion
0109	Mary Washington TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0110	Mary Washington TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 TWS 0234	Discussion

ENGL241 **Introduction to the Novel**

ENGL241 Introduction to the Novel; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Historical, formal, social questions about the genre. Readings drawn from a range of cultures and communities.

0101	John Auchard MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ASY 2203 SQH 1103	Discussion
0102	John Auchard MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) ASY 2203 WDS 1131	Discussion
0103	John Auchard MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 22) ASY 2203 SKN 1112	Discussion
0104	John Auchard MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 TWS 0234	Discussion
0105	John Auchard MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 SQH 2119	Discussion
0107	John Auchard MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 SQH 1121	Discussion
0108	John Auchard MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 TWS 0214	Discussion
0109	John Auchard MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 EDU 1315	Discussion

ENGL243 **Introduction to Poetry**

ENGL243 Introduction to Poetry; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
How poetry works. Focus on style, subject, rhythm, voice, technique and structure. Readings from a range of cultures and communities.

0101	Michael Collier MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 JMZ 3205	Discussion
0102	Michael Collier MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 TWS 0214	Discussion
0103	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 EDU 0202	Discussion
0104	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 EDU 0206	Discussion
0105	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 TWS 0234	Discussion
0106	Michael Collier MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 EDU 0206	Discussion
0107	Michael Collier MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 ASY 3217	Discussion
0108	Michael Collier MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 EDU 1315	Discussion
0109	Michael Collier MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 22) ARC 0204 TWS 0236	Discussion
0110	Michael Collier MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 TWS 0214	Discussion

0111	Michael Collier MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 SKN 1115	 Discussion
0112	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 EDU 2101	 Discussion
FC01	Lindsay Bernal MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) KEY 0125	

ENGL244 **Introduction to Drama**

ENGL244 Introduction to Drama; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A survey of the basic literature of drama from the classical Greeks to modern times.

0101	Nelson Pressley MW 9:30am - 10:45am	Seats (Total: 35) TWS 0234	
0201	Nelson Pressley MWF 11:00am - 11:50am	Seats (Total: 35) TWS 1106	
0301	Theodore Kaouk TuTh 12:30pm - 1:45pm	Seats (Total: 35) COL 0113	
FC01	Douglas Kern TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SQH 2122	

ENGL245 **Film and the Narrative Tradition**

ENGL245 Film and the Narrative Tradition; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Primary attention is on the film as a narrative medium, but other literary models will be examined.

0101	Thomas Zaniello W 6:00pm - 10:00pm	Seats (Total: 35) TWS 1100	

0201	Susan Pramschufer Tu 6:00pm - 10:00pm	Seats (Total: 35) TWS 1100	

ENGL250 **Introduction to Literature by Women**

ENGL250 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST255. Credit will be granted for only one of the following: ENGL250 or WMST255. Images of women in literature by and about women.

0101	Martha Nell Smith MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0102	Martha Nell Smith MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 TWS 0221	Discussion
0104	Martha Nell Smith MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0105	Martha Nell Smith MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 TWS 0234	Discussion
0106	Martha Nell Smith MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 TWS 0221	Discussion
0108	Martha Nell Smith MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 TWS 0214	Discussion

ENGL260 **Introduction to Folklore**

ENGL260 Introduction to Folklore; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Surveys a wide range of folklore genres; history and theory of folklore.

0101	Kara Fontenot MWF 10:00am - 10:50am	Seats (Total: 35) ARM 0112
0102	Kara Fontenot MWF 1:00pm - 1:50pm	Seats (Total: 35) TWS 1107

ENGL262 **The Hebrew Bible: Narrative**

ENGL262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as JWST262. Not open to students who have completed HEBR223. Credit will be granted for only one of the following: ENGL262 or JWST262. Formerly HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Robert Miller MW 2:00pm - 3:15pm	Seats (Total: 40) TWS 1107

ENGL265 **Introduction to Lesbian, Gay, and Bisexual Literature**

ENGL265 Introduction to Lesbian, Gay, and Bisexual Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as LGBT265. Not open to students who have completed LGBT265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Audre Lorde, Adrienne Rich. Also offered as LGBT 265.

0101	James Goodwin TuTh 9:30am - 10:45am	Seats (Total: 35) HBK 0105

ENGL278C **Special Topics in Literature; Introduction Creative Writing: African American Perspective**

ENGL278C Special Topics in Literature: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298W.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

ENGL278L **Literatures of the Americas**

ENGL278L Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT277.

0101	Jeremy Metz MW 9:30am - 10:45am	Seats (Total: 35) TWS 1106
0201	Jeremy Metz MWF 11:00am - 11:50am	Seats (Total: 35) KEY 0126
0301	Isis Semaj-Hall TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1103

ENGL278M **The Metaphors of God: The Bible as Literature**

ENGL278M The Metaphors of God: The Bible as Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.

0101	Peter Antoci University Chaplain W 3:00pm - 5:30pm	Seats (Total: 35) SQH 1103

ENGL278T **Literature of Science and Technology**

ENGL278T Literature of Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Michelle Boswell TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0207

ENGL278W **Literature in a Wired World**

ENGL278W Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Porter Olsen TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0223
0201	Paul Cote TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0223

ENGL278X **Special Topics in Literature; Theories of Text**
Contact department for information to register for this course.

ENGL278Z **Writing in a Wireless World**

ENGL278Z Writing in a Wireless World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.

0201	Thomas Geary MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 0223

ENGL280 **Introduction to the English Language**

ENGL280 Introduction to the English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Facts and phenomena of the English language; basic concepts and instruments useful for the analysis of literary and rhetorical uses of English. Potential topics include the history of English, its metrics, lexical patterns, common rhetorical devices, literary genres and its role as an international language.

0101	Linda Coleman MWF 10:00am - 10:50am	Seats (Total: 35) TWS 0221

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Nabila Hijazi TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0207	

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0201	Kenton Camper TuTh 12:30pm - 1:45pm	Seats (Total: 35) PLS 1113	

ENGL289I **Acting Human: Shakespeare and the Drama of Identity**

ENGL289I Acting Human: Shakespeare and the Drama of Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Credit will be granted for only one of the following: ENGL289I or ENGL205.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Maynard Mack MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1123	Discussion
0102	Maynard Mack MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 SQH 1121	Discussion
0104	Maynard Mack MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 SQH 1121	Discussion

ENGL289Y **American Fictions: Cross-Examining U.S. Literature, History, and Politics**

ENGL289Y American Fictions: Cross-Examining U.S. Literature, History, and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. Credit will be granted for only one of the following: ENGL289Y or ENGL222. ***One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Peter Mallios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) PHY 1412 TWS 0207	Discussion
0103	Peter Mallios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) PHY 1412 TWS 0207	Discussion
0106	Peter Mallios MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) PHY 1412 TWS 0207	Discussion
0107	Peter Mallios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) PHY 1412 TWS 1106	Discussion
0108	Peter Mallios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) PHY 1412 TWS 1106	Discussion
0109	Peter Mallios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) PHY 1412 TWS 0207	Discussion

ENGL291 **Intermediate Writing**

ENGL291 Intermediate Writing; (3 credits) Grade Method: REG/P-F/AUD. Writing essays, the revision process, and editing techniques.

0101	Lindsay Jacoby MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1107

ENGL294 **Introduction to Creative Writing**

ENGL294 Introduction to Creative Writing; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction and poetry, with special attention to elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Thomas Earles TuTh 12:30pm - 1:45pm	Seats (Total: 20) TWS 0201
0201	Adam Pellegrini TuTh 2:00pm - 3:15pm	Seats (Total: 20) HBK 0123
0301	Glenn Hollar MW 2:00pm - 3:15pm	Seats (Total: 20) SQH 1111
0401	Julia Leverone MW 11:00am - 12:15pm	Seats (Total: 20) KEY 0123

ENGL296 **Beginning Fiction Workshop**

ENGL296 Beginning Fiction Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Jacqueline Kautzer MW 9:30am - 10:45am	Seats (Total: 20) TWS 0207
0201	Seth Nielsen TuTh 9:30am - 10:45am	Seats (Total: 20) LEF 1222
0301	Joshua Ellis TuTh 12:30pm - 1:45pm	Seats (Total: 20) KEY 0119

ENGL297 **Beginning Poetry Workshop**

ENGL297 Beginning Poetry Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Writing of poetry, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Adam Binkley TuTh 9:30am - 10:45am	Seats (Total: 20) LEF 1221

0201	Donald Berger TuTh 2:00pm - 3:15pm	Seats (Total: 20) KEY 0125
0301	Conor Burke MW 2:00pm - 3:15pm	Seats (Total: 20) HBK 1112

ENGL300 **Writing about Literature**

ENGL300 Writing about Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two lower-level English courses, at least one in literature; or permission of department.* For students who want to improve their academic writing skills, focusing in particular on literary analysis, argument, style, clarity and engagement with other points of view. Readings from literary texts in various genres and from critical essays. Especially useful to prepare for upper-level courses in English.

0101	Susan Pramschufer TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 3132

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG/P-F/AUD.
For English or English Education Majors, or English Minors. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Randy Ontiveros MW 12:30pm - 1:45pm	Seats (Total: 25) TWS 0214
0108	Christina Walter TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1123
0201	David Wyatt TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 0201
0401	Elizabeth McClure MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 0236
0501	Elizabeth Veisz TuTh 9:30am - 10:45am	Seats (Total: 25) HBK 1108

0601	Elizabeth Bearden TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 0205	
0901	Christopher Crane TuTh 12:30pm - 1:45pm	Seats (Total: 25) HBK 1112	

ENGL302 **Medieval Literature in Translation**

ENGL302 Medieval Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Surveys major works of English and continental Middle Ages. Readings may include romance, lyric and drama, Germanic epic, works of Dante, Chretien de Troyes, Jean de Meun, Christine de Pisan, Malory, English and continental mystics.

0101	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 1107	

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL403 and ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Theodore Leinwand MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0102	Theodore Leinwand MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0205	Discussion
0103	Theodore Leinwand MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 1107	Discussion

0104	Theodore Leinwand MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 0201	 Discussion

ENGL305 **Shakespeare and His Contemporaries: An Introduction**

ENGL305 Shakespeare and His Contemporaries: An Introduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Readings in Shakespeare and contemporaries such as Marlowe, Dekker, Middleton, Jonson, Webster, Chapman, Marston. Elizabethan and Jacobean theatrical and social contexts.

0101	Gillian Knoll MW 2:00pm - 3:15pm	Seats (Total: 35) TWS 0201

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Christopher Crane TuTh 11:00am - 12:15pm	Seats (Total: 35) JMP 2202
0201	Kavita Mudan MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 0201

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Elizabeth Veisz TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0205	

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, Woolf.

0101	Elizabeth McClure MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 0236	

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Jonathan Auerbach MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) TWS 1100 TWS 0205	 Discussion
0102	Jonathan Auerbach MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0205	 Discussion

0103	Jonathan Auerbach MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 0205	Discussion
0104	Jonathan Auerbach MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 1106	Discussion

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379B in Spring 2006.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Kathy-Ann Tan TuTh 12:30pm - 1:45pm	Seats (Total: 35) JMP 1109

ENGL348F **Literary Works by Women; Women on the Frontier**

ENGL348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST 348F. Prerequisite: two lower-level English courses , at least one in literature; or premission of department.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0236

ENGL348W **Literary Works by Women; Women Abolitionists**

ENGL348W Literary Works by Women: Women Abolitionists; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Shirley Logan MW 2:00pm - 3:15pm	Seats (Total: 35) TWS 0207

ENGL359E **Special Topics in Lesbian, Gay, and Bisexual Literatures; Queer Poetics: Autobiographics in the Age of Facebook**

ENGL359E Special Topics in Lesbian, Gay, and Bisexual Literatures: Queer Poetics: Autobiographics in the Age of Facebook; (3 credits) Grade Method: REG/P-F/AUD.

0101	Martha Nell Smith	Seats (Total: 35)
	MW 3:30pm - 4:45pm	TWS 1107

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Keguro Macharia	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 0236

ENGL368B **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

ENGL368B Special Topics in the Literature of Africa and the African Diaspora: Blues and African American Folksong; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Barry Pearson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0236

ENGL369A **Special Topics in Study Abroad III; Stylistics**
Contact department for information to register for this course.

ENGL369C **Special Topics in Study Abroad III; Postcolonial Literature**
Contact department for information to register for this course.

ENGL369F **Special Topics in Study Abroad III; Fiction and History**
Contact department for information to register for this course.

ENGL369L **Special Topics in Study Abroad III; Laughter, Satire and the Comic Form**
Contact department for information to register for this course.

ENGL373 **Senior Honors Project**

ENGL373 *(PermReq)* **Senior Honors Project; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL370. For ENGL majors only. Research and writing of senior honors project. Strongly recommended for students planning graduate work.

0101	Kimberly Coles	Seats (Total: 30)
	Tu 3:15pm - 5:00pm	TWS 1105

ENGL379H **Special Topics in Literature; London Stage**
Contact department for information to register for this course.

ENGL379I **Special Topics in Literature; The Short Story Collection**

ENGL379I Special Topics in Literature: The Short Story Collection; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Merrill Feitell	Seats (Total: 35)
	MW 12:30pm - 1:45pm	TWS 0201

ENGL379K **Special Topics in Literature; New York City and the American Dream**

ENGL379K Special Topics in Literature: New York City and the American Dream; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Repeatable to 9 credits if content differs.

0101	Ingrid Satelmajer	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 1106

ENGL379L **Special Topics in Literature; Post-9/11 Fiction and Film**

ENGL379L Special Topics in Literature: Post-9/11 Fiction and Film; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Kathy-Ann Tan	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	TWS 1107

ENGL379N **Special Topics in Literature; The Art of Fact: Reading Non-Fiction**

ENGL379N Special Topics in Literature: The Art of Fact: Reading Non-Fiction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeanne Fahnestock	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 1107

ENGL379R **Special Topics in Literature; Sexuality in the Cinema**

ENGL379R Special Topics in Literature: Sexuality in the Cinema; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as CMLT478L. Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 1100

ENGL379V **Special Topics in Literature; Gypsy Culture**

ENGL379V Special Topics in Literature: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498N. Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Repeatable to 9 credits if content differs.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0205

ENGL379Y **Special Topics in Literature; The London Stage**
Contact department for information to register for this course.

ENGL379Z **Special Topics in Literature; The London Stage**
Contact department for information to register for this course.

ENGL381 **MGA Legislative Seminar**

ENGL381 *(PermReq)* **MGA Legislative Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Classroom analysis component of the Maryland General Assembly internship program. Also offered as HONR368A.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Tu 3:30pm - 6:00pm	TWS 0224

ENGL384 **Concepts of Grammar**

ENGL384 Concepts of Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to the basic units of grammatical description; motivation for and nature of constituent structure and syntactic categories; fundamental grammatical concepts employed in the teaching and learning of languages.

0101	Michael Israel	Seats (Total: 35)
	MW 3:30pm - 4:45pm	TWS 0207

ENGL388A **Writing Internship; Second Life Workshop in African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Preprofessional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Preprofessional Writing Skills Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Jennifer Dunsmore	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 25)
	Contact instructor or department for details. Contact instructor or department for details.	

ENGL388T **Writing Internship; Maryland Institute for Technology in the Humanities Internships**

ENGL388T *(PermReq)* **Writing Internship: Maryland Institute for Technology in the Humanities Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Maria Gigante, Leigh Ryan	Seats (Total: 20)
	M 3:30pm - 6:00pm	JMZ 0118

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Junior standing. Not open to students who have completed ENGL393S. Credit will be granted for only one of the following: ENGL390 or ENGL393S. Formerly ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Satisfies professional writing requirement. Click here for more course information.

0101	Mary Shea MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0230
0201	Mary Shea MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0230
0301	Mary Shea MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0230
1401	Mark Arnold Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) KEY 0123 TWS 0232

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more course information.

0101	Mark Forrester MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0123
0202	Erik Turkman MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0232
0301	Erik Turkman MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0232

0402	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 22) TLF 1101
0501	Robin Earnest MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0232
1101	Timothy Denevi TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0214
1201	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0230 TWS 0201
1202	Timothy Denevi TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 1105
1301	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0230 TWS 0214
1401	Melanie Faith Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230 TWS 1105
1601	Ann Mason M 6:30pm - 9:10pm	Seats (Total: 22) TWS 1105
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1801	Ann Mason W 6:30pm - 9:10pm	Seats (Total: 22) TWS 1105
1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224

ENGL391H Advanced Composition

ENGL391H Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. For students in the University or departmental Honors program. Click here for more course information.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0236

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Satisfies professional writing requirement. Click here for more course information.

0201	Robin Earnest MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0224
0301	Robin Earnest MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0224
1101	William Schatz Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) TWS 0232 HBK 1112
1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0232 TWS 0234
1301	William Schatz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0232 TWS 0221
1401	William Schatz Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232 JMZ 3120

1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Click here for more course information.

0201	Joan Mooney MWF 10:00am - 10:50am	Seats (Total: 22) HBK 0123
0301	Joshua Edwards MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0124
0302	Rebecca Ritzel MWF 11:00am - 11:50am	Seats (Total: 22) TWS 1107
0401	Joan Mooney MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0236
0402	Joshua Edwards MWF 12:00pm - 12:50pm	Seats (Total: 22) KEY 0119
0502	Mark Hoffmann MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0236
0503	Rebecca Ritzel MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 1105
0601	Zahara Heckscher MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232
0602	Edward O'Donnell MW 2:00pm - 3:15pm	Seats (Total: 22) HBK 0123

0701	Richie Crider MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0214
0702	Zahara Heckscher MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0232
0801	Richie Crider MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0221
0802	Joanna Findlay MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0214
0803	Zahara Heckscher MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0232
1101	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 22) HBK 0123
1102	Mark Arnold Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) KEY 0125 TWS 0232
1201	Mark Arnold Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) KEY 0125 TWS 0232
1203	Kelly Cresap TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0124
1302	Connie Inukai Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0214 TWS 0230
1303	Jeanne Fahnestock TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 1105
1401	Connie Inukai Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 1105 TWS 0230

1402	Daniel Saalfeld TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0223
1501	Amanda Olson TuTh 3:30pm - 4:45pm	Seats (Total: 22) JMZ 1224
1502	Paul Haynos TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 1106
1505	Amanda Olson TuTh 5:00pm - 6:15pm	Seats (Total: 22) ASY 3217
1506	Paul Haynos TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0214
1601	Edward O'Donnell M 6:30pm - 9:10pm	Seats (Total: 22) EDU 0206
1602	Kelli Skinner Eyerly M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0201
1701	Janet Novotny Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
1801	Alexandra Calloway W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1802	Joanna Findlay W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0207
1901	Kenneth Keiser Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
1902	Daniel Saalfeld Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230

ENGL393H Technical Writing

ENGL393H Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Restricted to students in the University or departmental Honors program. Click here for more course information.

0201	Joshua Edwards MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2117

ENGL393X **Technical Writing**

ENGL393X *(PermReq)* **Technical Writing; (3 credits)** Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Limited to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more course information.

1501	Daniel Saalfeld TuTh 3:30pm - 4:45pm	Seats (Total: 15) TWS 0223

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more course information.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0126
0201	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 22) KEY 0121
0301	Karen Angeline MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0236
0302	Ceil Goldberg MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0223

0401	Karen Angeline MWF 12:00pm - 12:50pm	Seats (Total: 22) KEY 0124
0402	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 1107
0501	Ceil Goldberg MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0224
0601	Ceil Goldberg MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0224
0701	Donald McNeilly MW 3:30pm - 4:45pm	Seats (Total: 22) KEY 0116
0801	Elizabeth Fixsen MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0223
1101	Clare Parsons TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0124
1102	Rosalia Saklas TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0201
1201	Frederick Bolton TuTh 11:00am - 12:15pm	Seats (Total: 22) WDS 0104
1202	Katherine Robinson TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0119
1301	Clare Parsons TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0124
1302	Katherine Robinson TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0125
1303	Rosalia Saklas TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 3203
1401	Aparajita De TuTh 2:00pm - 3:15pm	Seats (Total: 22) KEY 0119

1402	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 1106
1403	Thomas Lowderbaugh Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0224 TWS 0207
1501	Ellen Blumner TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0230
1502	Shayna Maskell Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 0236 TWS 0236
1503	Donald McGlew TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0201
1505	Donald McGlew TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0201
1506	Ellen Blumner TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0230
1701	Ellen Blumner Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1801	Donald McNeilly W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0205
1901	Mary Turner Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0205
SG91	Aparajita De TuTh 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove International Business majors with fewer than 75 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 22) BLD2 3022

SG92	Katherine Wilson TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD2 3022
	Registration is restricted to BMGT- Shady Grove International Business and Marketing majors with fewer than 75 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Katherine Wilson TuTh 2:00pm - 3:15pm	Seats (Total: 22) BLD2 3022
	Registration is restricted to BMGT- Shady Grove Marketing majors with fewer than 75 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ENGL395 **Writing for Health Professions**

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more course information.

0601	Joseph Wappel MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230
0701	Joseph Wappel MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0230
0801	Joseph Wappel MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0230
1201	Walter Knorr Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0234 TWS 0224
1301	Walter Knorr Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0221 TWS 0224
1401	Christopher Crane TuTh 2:00pm - 3:15pm	Seats (Total: 22) JMZ 3203

1501	Christopher Crane TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0214
1505	Joseph Wappel TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0232

ENGL396 **Intermediate Fiction Workshop**

FOR MORE PROFESSIONAL WRITING CLASSES SEE ENGL398*.

ENGL396 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: A grade of "A" in ENGL294 or ENGL296, or permission of department.

Practice in the craft of writing fiction, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Maud Casey MW 12:30pm - 1:45pm	Seats (Total: 15) TWS 3136
0201	Willie Davis TuTh 12:30pm - 1:45pm	Seats (Total: 15) TWS 3252

ENGL397 **Intermediate Poetry Workshop**

ENGL397 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: A grade of "A" in ENGL294 or ENGL297, or permission of department.

Practice in the craft of writing poetry, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Joshua Weiner TuTh 11:00am - 12:15pm	Seats (Total: 15) TWS 3134

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391A. Credit will be granted for only one of the following: ENGL398A or ENGL391A. Formerly ENGL391A. An advanced composition course which emphasizes writing about the arts. Click here for more course information.

1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 1106
1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 0207
1301	Caroline Wilkins TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 0123

ENGL398C **Topics in Professional Writing; Writing Case Studies and Narratives**

ENGL398C Topics in Professional Writing: Writing Case Studies and Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes writing cases and investigative reports. Click here for more course information.

0601	Joanna Findlay MW 2:00pm - 3:15pm	Seats (Total: 22) SQH 2119
0701	Joanna Findlay MW 3:30pm - 4:45pm	Seats (Total: 22) KEY 0120

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394E. Credit will be granted for only one of the following : ENGL398E or ENGL394E. Formerly ENGL394E. A business writing class focusing on writing about economics. Click here for more course information.

0801	Michael Winett MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0224

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more course information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 22) TWS 1105

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394N. Credit will be granted for only one of the following ENGL398N or ENGL394N. Formerly ENGL394N. A busniness writing class focusinog on writing about nonprofits. Click here for more course information.

0401	John Mancini MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2117
0501	John Mancini MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2117

1201	Rebecca Holden Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0201 TWS 0230
1401	Rebecca Holden Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0207 TWS 0224

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion fo ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391N. Credit will be granted for only one of the following: ENGL398R or ENGL391N. Formerly ENGL391N. An advanced composition course which emphasizes nonfiction narrative writing. Click here for more course information.

0101	Pamela Gerhardt MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) TWS 0236 TWS 0224

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL393E. Credit will be granted for only one of the following ENGL398V or ENGL393E. Formerly ENGL393E. Click here for more course information.

0601	Ann Mason MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 1106
0701	Ann Mason MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 1105

ENGL402 **Chaucer**

ENGL402 Chaucer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Linda Keyser	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	TWS 1106

ENGL403 **Shakespeare: The Early Works**

ENGL403 Shakespeare: The Early Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Michael Olmert	Seats (Total: 32)
	TuTh 9:30am - 10:45am	TWS 0205

ENGL404 **Shakespeare: The Later Works**

ENGL404 Shakespeare: The Later Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Maynard Mack	Seats (Total: 32)
	MW 12:30pm - 1:45pm	TWS 0207

ENGL407 **Non-dramatic Literature of the Sixteenth Century**

ENGL407 Non-dramatic Literature of the Sixteenth Century; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Poetic and prose genres--utopia, epic, narrative, lyric, sonnet, oration, epistle, sermon, apologia--in context of the literary and intellectual life of the sixteenth century. Writers such as More, Wyatt, Surrey, Sidney, and Spenser.

0101	Kimberly Coles	Seats (Total: 32)
	TuTh 12:30pm - 1:45pm	TWS 0234

ENGL416 **Literature of the Eighteenth Century, 1700-1750**

ENGL416 Literature of the Eighteenth Century, 1700-1750; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. British literary traditions, including the poetry of Pope, the prose of Swift, the correspondence of Montagu, the drama of Gay, and early novels by Defoe, Richardson, and Fielding.

0101	Laura Rosenthal	Seats (Total: 32)
	MW 12:30pm - 1:45pm	TWS 1106

ENGL417 **Literature of the Eighteenth Century, 1750-1800**

ENGL417 Literature of the Eighteenth Century, 1750-1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. British poetry, drama, fiction, and nonfiction, emphasizing innovative forms and attitudes in genres such as the gothic novel and political writings, as well as more traditional works. Authors include Johnson, Burney, Sterne, Burke, and Wollstonecraft.

0101	Vincent Carretta	Seats (Total: 32)
	TuTh 9:30am - 10:45am	TWS 0234

ENGL420 **English Romantic Literature**

ENGL420 English Romantic Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two English courses in literature; or permission of department.* British poetry, drama, fiction, and criticism c.1790 to c.1830, a period of dramatic social change and revolution in literature, philosophy, the arts, industry, and politics. Authors include Austen, Wordsworth, Coleridge, Keats, Byron, Percy, and Mary Shelley.

0101	Orrin Wang	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	TWS 0234

ENGL425 **Modern British Literature**

ENGL425 Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two English courses in literature or permission of department.* Major Modernist writers in English prose and poetry since 1900. Such writers as Eliot, Larkin, Forster, Burgess, Durrell, Henry Green, Golding, Auden, Malcolm Lowry, Joyce, and Yeats.

0101	Christina Walter	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	TWS 0221

ENGL428X **Seminar in Language and Literature; Authors of the Early Black Atlantic**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Authors of the Early Black Atlantic; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Vincent Carretta	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 3132

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL431 **American Literature: 1810 to 1865, the American Renaissance**

ENGL431 American Literature: 1810 to 1865, the American Renaissance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Nationalism, Sentimentalism, Transcendentalism. Writers such as Douglass, Stowe, Melville.

0101	Robert Levine MW 3:30pm - 4:45pm	Seats (Total: 32) TWS 0205

ENGL437 **Contemporary American Literature**

ENGL437 Contemporary American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Prose, poetry, drama of living American writers. Current cultural and social issues.

0101	Randy Ontiveros MW 3:30pm - 4:45pm	Seats (Total: 32) TWS 0234
0201	Linda Kauffman MW 2:00pm - 3:15pm	Seats (Total: 32) TWS 0221

ENGL439F **Major American Writers after 1865; Faulkner and His Literary Heirs**

ENGL439F Major American Writers after 1865: Faulkner and His Literary Heirs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature or permission of department.

0101	David Wyatt TuTh 12:30pm - 1:45pm	Seats (Total: 32) TWS 1107

ENGL439M **Major American Writers after 1865; Major American Writers**
Contact department for information to register for this course.

ENGL440 **The Novel in America to 1914**

ENGL440 The Novel in America to 1914; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Survey of the American novel to World War I. Cultural and philosophical contexts; technical developments in the genre. Authors such as Melville, Wells Brown, James, Sedgwick, Chopin.

0101	John Auchard MW 2:00pm - 3:15pm	Seats (Total: 32) TWS 0205

ENGL445 **Modern British and American Poetry**

ENGL445 Modern British and American Poetry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The formation of Modernism in British and American poetry before 1930. Such poets as Yeats, Pound, H.D., Eliot, Langston Hughes, Moore, Stevens, and Williams.

0101	Richard Cross MW 11:00am - 12:15pm	Seats (Total: 32) TWS 0234

ENGL452 **English Drama From 1660 to 1800**

ENGL452 English Drama From 1660 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Restoration and eighteenth-century drama, with special attention to theater history, cultural influences, concepts of tragedy, comedy, farce, parody, and burlesque, as well as dramatic and verbal wit.

0101	Laura Rosenthal MW 11:00am - 12:15pm	Seats (Total: 32) TWS 0221

ENGL454 **Modern Drama**

ENGL454 Modern Drama; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The roots of European Modernism and its manifestation in the drama of the twentieth century. Such playwrights as Beckett, Churchill, Stoppard, Wilde, Chekhov, Ibsen, Brecht, O'Neill, Sartre, Anouilh, Williams, and Shaw.

0101	Michael Olmert	Seats (Total: 32)	
	TuTh 11:00am - 12:15pm	TWS 0214	

ENGL456 **The Nineteenth-Century English Novel**
Contact department for information to register for this course.

ENGL466 **Arthurian Legend**

ENGL466 Arthurian Legend; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Development of Arthurian legend in English and continental literature from Middle Ages to twentieth century. All readings in modern English.

0101	Verlyn Flieger	Seats (Total: 32)	
	MW 2:00pm - 3:15pm	TWS 0214	

ENGL468F **Selected Topics in Film Studies; The Americas in Film**

ENGL468F Selected Topics in Film Studies: The Americas in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498F. A comparison of filmmaking in the Americas from an economic. socio-political, cultural, and national film industry Perspective. Repeatable to 9 credits if content differs.

0101	Regina Harrison	Seats (Total: 32)	
	TuTh 11:00am - 12:15pm	HBK ROOM H	
	W 6:30pm - 8:30pm	HBK ROOM H	Lab

ENGL471 **African-American Literature: 1910-1945**

ENGL471 African-American Literature: 1910-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Emergence of modernism in African-American writing including debates over the definition of unique African-American aesthetics, with emphasis on conditions surrounding the production of African-American literatures.

0101	Keguro Macharia	Seats (Total: 32)	
	TuTh 3:30pm - 4:45pm	TWS 0205	

ENGL472 **African-American Literature: 1945 to Present**

ENGL472 African-American Literature: 1945 to Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Transformation of African-American literatures into modern and postmodern forms. Influenced by World War II and the Civil Rights and Black Power movements, this literature is characterized by conscious attempts to reconnect literary and folk forms, the emergence of women writers, and highly experimental fiction.

0101	Mary Washington	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	TWS 1107

ENGL477 **Studies in Mythmaking**

ENGL477 Studies in Mythmaking; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two literature courses. Major themes, figures, and configurations of northern European mythology, examining the value of the mythic mode of thought in a scientific era.

0101	Verlyn Flieger	Seats (Total: 32)
	MW 11:00am - 12:15pm	TWS 0214

ENGL478T **Selected Topics in English and American Literature before 1800; Travel Writing and Cultural Otherness in the Renaissance**

ENGL478T Selected Topics in English and American Literature before 1800: Travel Writing and Cultural Otherness in the Renaissance; (3 credits) Grade Method: REG/P-F/AUD.

0101	Elizabeth Bearden	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	TWS 0221

ENGL479B **Selected Topics in English and American Literature after 1800; Modern Writers in Search of the Self**

ENGL479B Selected Topics in English and American Literature after 1800: Modern Writers in Search of the Self; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.

0101	Richard Cross	Seats (Total: 32)
	MW 2:00pm - 3:15pm	TWS 0234

ENGL479L **Selected Topics in English and American Literature after 1800; Literary Critisicm: History and Context**

Contact department for information to register for this course.

ENGL479M **Selected Topics in English and American Literature after 1800; Roots Music and Film**

ENGL479M Selected Topics in English and American Literature after 1800: Roots Music and Film; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: Two lower-level English courses in literature or permission of department.

0101	Barry Pearson	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	TWS 0214

ENGL479Z **Selected Topics in English and American Literature after 1800; The Contemporary English Novel**

Contact department for information to register for this course.

ENGL487 **Foundations of Rhetoric**

ENGL487 Foundations of Rhetoric; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: ENGL487 or COMM401.* Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Shirley Logan	Seats (Total: 32)
	MW 11:00am - 12:15pm	TWS 0201

ENGL488B **Topics in Advanced Writing; Writing for the Blogosphere: Prehistory, Theory, Practice**

ENGL488B Topics in Advanced Writing: Writing for the Blogosphere: Prehistory, Theory, Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marilee Lindemann	Seats (Total: 22)
	TuTh 2:00pm - 3:15pm	TWS 3132

ENGL489P **Special Topics in English Language; Language and Politics**

ENGL489P Special Topics in English Language: Language and Politics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Linda Coleman MW 12:30pm - 1:45pm	Seats (Total: 32) TWS 0221

ENGL494 **Editing and Document Design**

ENGL494 Editing and Document Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL391, ENGL393 or equivalent. Principles of general editing for clarity, precision and correctness. Applications of the conventions of grammar, spelling, punctuation and usage, and organization for logic and accuracy. Working knowledge of the professional vocabulary of editing applied throughout the course.

0101	Lea Chartock MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 1105

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: Candidacy for honors in English and ENGL370 and ENGL373. For ENGL majors only. Completion and presentation of the senior honors project. For English honors students by permission of the department.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL396 or permission of department.

0101	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3136

ENGL499 **Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL396 or permission of department.

0101	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3134

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 Critical Theory and Literary Criticism; (3 credits) Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature. For English majors only.

0201	Zita Nunes Tu 3:30pm - 6:00pm	Seats (Total: 18) TWS 3134

ENGL611 **Approaches to College Composition**

ENGL611 *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
Required for graduate assistants (optional to other graduate students). Prerequisite: permission of department. A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Linda Macri Tu 6:30pm - 9:00pm	Seats (Total: 18) TWS 3132
0201	Linda Macri W 12:00pm - 2:30pm	Seats (Total: 18) TWS 3252

ENGL630 **Readings in 20th Century English Literature**

ENGL630 Readings in 20th Century English Literature; (3 credits) Grade Method: REG/AUD.

0101	Sangeeta Ray Th 3:30pm - 6:00pm	Seats (Total: 18) TWS 3134

ENGL688 **Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Stanley Plumly W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3248
0201	Joshua Weiner W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3132

ENGL689 **Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Maud Casey W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250
0201	Merrill Feitell W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL719C **Seminar in Renaissance Literature; Shakespeare: The Critical Heritage**

ENGL719C *(PermReq)* **Seminar in Renaissance Literature: Shakespeare: The Critical Heritage; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Theodore Leinwand M 3:30pm - 6:00pm	Seats (Total: 13) TWS 3248

ENGL729A **Seminar in Eighteenth-Century Literature; Experimentalism: Literature, Science, Theory**

ENGL729A *(PermReq)* **Seminar in Eighteenth-Century Literature: Experimentalism: Literature, Science, Theory; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Tita Chico	Seats (Total: 13)
	Tu 3:30pm - 6:00pm	TWS 3248

ENGL738L **Seminar in Nineteenth-Century Literature; Sensation and the Literary**

ENGL738L *(PermReq)* **Seminar in Nineteenth-Century Literature: Sensation and the Literary; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of the department.

0101	Orrin Wang	Seats (Total: 13)
	Th 3:30pm - 6:00pm	TWS 3248

ENGL748A **Seminar in American Literature; American Modernism/Modernity: Contemporary Approaches**

ENGL748A *(PermReq)* **Seminar in American Literature: American Modernism/Modernity: Contemporary Approaches; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Peter Mallios	Seats (Total: 13)
	W 6:30pm - 9:00pm	TWS 3134

ENGL779A **Seminar in Language Study; Language and Text: Interpretation and Identity**

ENGL779A *(PermReq)* **Seminar in Language Study: Language and Text: Interpretation and Identity; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Michael Israel	Seats (Total: 13)
	M 6:30pm - 9:00pm	TWS 3134

ENGL789A **Form and Theory in Fiction; Seminar in International Fiction in Translation**

ENGL789A *(PermReq)* **Form and Theory in Fiction: Seminar in International Fiction in Translation; (3 credits)** Grade Method: REG/AUD.

0101	Howard Norman Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3252

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Tita Chico Contact instructor or department for details.	Seats (Total: 10)

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL809 **Publications Workshop; Publications Workshop**

ENGL809 Publications Workshop: Publications Workshop; (1-2 credits) Grade Method: REG/AUD.

0101	Jonathan Auerbach Contact instructor or department for details.	Seats (Total: 12)

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Fall 2010

ENMA150 **Materials of Civilization**

ENMA150 Materials of Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
The discovery of new materials has shaped history and built civilizations. The utilization, properties and production techniques of materials from the Bronze Age up through modern times and into the future will be traced. These materials are explained by considering their atomic structure, the binding forces between atoms and their arrangement, and how controlling the structure controls the materials properties.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Robert Briber TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 40) CHE 2110 CHE 2136	 Discussion
0102	Robert Briber TuTh 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 40) CHE 2110 CHM 0122	 Discussion

ENMA300 **Introduction to Materials and their Applications**

ENMA300 Introduction to Materials and their Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 or permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Not open to students who have completed ENES230. Credit will be granted for only one of the following: ENES230 or ENMA300. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Aristos Christou TuTh 11:00am - 12:15pm Tu 12:30pm - 1:20pm	Seats (Total: 32) CHE 2108 KEB 1135	 Lab
0102	Aristos Christou TuTh 11:00am - 12:15pm Tu 1:30pm - 2:20pm	Seats (Total: 33) CHE 2108 KEB 1135	 Lab
0201	Oded Rabin TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 32) CSS 2324 KEB 1135	 Lab
0202	Oded Rabin TuTh 11:00am - 12:15pm Th 1:30pm - 2:20pm	Seats (Total: 33) CSS 2324 KEB 1135	 Lab
0301	Patrick McCluskey MWF 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 32) JMP 3201 KEB 1135	 Lab
0302	Patrick McCluskey MWF 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 33) JMP 3201 KEB 1135	 Lab

ENMA310 **Materials Laboratory I: Structural Characterization**

ENMA310 *(PermReq)* **Materials Laboratory I: Structural Characterization; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Corequisite: ENMA460. Junior standing. Characterization of the structure of materials including both single crystal and polycrystalline materials. Laboratories will include x-ray and electron diffraction and microscopy.

0101	Luz Martinez-Miranda	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	CHE 2145	
	MW 9:00am - 12:00pm	KIM 1135	Lab

ENMA362 **Mechanical Properties**

ENMA362 Mechanical Properties; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENMA300. Junior standing or permission of department.* Fundamentals of mechanical behavior in materials. Elastic behavior, dislocations, strengthening, high temperature deformation, deformation of noncrystalline materials, tensile fracture and fatigue.

0101	Sreeramamurthy Ankem	Seats (Total: 19)	
	MW 1:00pm - 2:15pm	CHE 2145	
	Tu 9:00am - 11:00am	KEB 1135	Lab

ENMA422 **Radiation Effects of Materials**

ENMA422 Radiation Effects of Materials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENNU215, ENNU310, or ENMA300; or permission of department. Credit will be granted for only one of the following: ENMA422 or ENMA489E. Formerly ENMA489E.* Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on: polymers, metals, semiconductors, liquids, and gases. Radiation in advanced manufacturing, radiation-physical technology.

0101	Mohamad Al-Sheikhly	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	EGR 2103	

ENMA460 **Physics of Solid Materials**

ENMA460 Physics of Solid Materials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: MATH241 and (PHYS270 and 271 {Formerly PHYS263}). Junior standing. For ENMA majors only. Also offered as PHYS431. Credit will be granted for only one of the following: ENMA460 or PHYS431.* Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	Ichiro Takeuchi MW 3:30pm - 4:45pm	Seats (Total: 33) CHM 1228

ENMA462 **Smart Materials**

ENMA462 Smart Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA462 or ENMA489B. Formerly ENMA489B. A fundamental understanding will be provided as it relates to the following topics: ferroic materials, ferromagnets, ferroelectric materials, shape memory alloys and multiferroic materials that are simultaneously ferromagnetic and ferroelectric. The ferroic properties will be discussed on an atomic, nano- and micro-scales so that actual and potential applications on those scales become clear. Examples of those applications will be presented.

0101	Manfred Wuttig WF 11:00am - 12:15pm	Seats (Total: 25) EGR 1102

ENMA463 **Macroprocessing of Materials**

ENMA463 Macroprocessing of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Junior standing. Processing of modern, bulk engineering materials. Raw materials, forming, firing, finishing and joining. More emphasis on metals and ceramics than polymers.

0101	Isabel Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 20) EGR 1110

ENMA471 **Kinetics, Diffusion and Phase Transformations**

ENMA471 *(PermReq)* **Kinetics, Diffusion and Phase Transformations; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: ENMA461. Junior standing or permission of department. Fundamentals of diffusion, the kinetics of reactions including nucleation and growth and phase transformations in materials. Also offered as ENPM 663.

0101	Raymond Phaneuf TuTh 2:00pm - 3:15pm	Seats (Total: 15) CHE 2136

ENMA489F **Selected Topics in Engineering Materials; Finite Element Modeling**

ENMA489F Selected Topics in Engineering Materials: Finite Element Modeling; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sreeramamurthy Ankem	Seats (Total: 7)
	M 10:00am - 12:50pm	CHE 2140

ENMA489M **Selected Topics in Engineering Materials; Diffraction Techniques in Material Science**

ENMA489M Selected Topics in Engineering Materials: Diffraction Techniques in Material Science; (3 credits) Grade Method: REG/P-F/AUD.

0101	Luz Martinez-Miranda	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	CHE 2140

ENMA495 **Polymeric Engineering Materials I**

ENMA495 Polymeric Engineering Materials I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Also offered as ENCH490. Credit will be granted for only one of the following: ENCH490 or ENMA495. Study of polymeric engineering materials and the relationship to structural type. Elasticity, viscoelasticity, anelasticity and plasticity of single and multiphase materials. Emphasis is on polymetric materials.

0101	Kyu Yong Choi	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CHE 2136

ENMA499 **Senior Laboratory Project**

ENMA499 Senior Laboratory Project; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Gary Rubloff	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA624 **Radiation Engineering**

ENMA624 Radiation Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA624 or ENMA698E. Formerly ENMA698E. Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on ; polymers, metals, semiconductors, liquid, and gas, radiation in advance manufacturing, radiation-physical technology.

0101	Mohamad Al-Sheikhly TuTh 12:30pm - 1:45pm	Seats (Total: 8) EGR 2103

ENMA650 **Nanometer Structure of Materials**

ENMA650 *(PermReq)* **Nanometer Structure of Materials; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENMA 470 or equivalent. The basic concepts required for understanding nanostructured materials and their behavior will be covered. Topics covered include the structural aspects of crystalline and amorphous solids and relationships to bonding types, point and space groups. Summary of diffraction theory and practice. The reciprocal lattice. Relationships of the microscopically measured properties to crystal symmetry. Structural aspects of defects in crystalline solids.

0101	Gottlieb Oehrlein MW 5:00pm - 6:15pm	Seats (Total: 29) CHE 2110

ENMA660 **Thermodynamics in Materials Science**

ENMA660 Thermodynamics in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Corequisite: ENMA 650. Thermodynamics of engineering solids. Thermal, diffusional and mechanical interactions in macroscopic systems. Systems in thermal contact, systems in thermal and diffusive contact, systems in thermal and mechanical contact.

0101	Alexander Roytburd MW 3:30pm - 4:45pm	Seats (Total: 28) CHE 2145

ENMA662 **Advanced Smart Materials**

ENMA662 Advanced Smart Materials; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENMA662 or ENMA698W. Formerly ENMA698W. This course will cover the three ferroic materials, ferromagnetic, ferroelectric, and ferroelastic (also known as Shape Memory Alloy, SMA) as well as materials that are simultaneously ferromagnetic and ferroelectric etc. Their similarities and differences will be identified and their atomic level and crystal structure examined. Phase transformations are very important and will be treated in some detail. Applications, e.g. permanent magnets, electronic magnetic materials, digital storage elements, actuators and sensors as well as SMAs for vision glasses, self-adjusting valves and the like will be covered.

0101	Manfred Wuttig WF 11:00am - 12:15pm	Seats (Total: 10) EGR 1102

ENMA680 **Experimental Methods in Materials Science**

ENMA680 Experimental Methods in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 650. Methods of measuring the structural aspects of materials. Optical and electron microscopy. Resonance methods. Electrical, optical and magnetic measurement techniques. Thermodynamic methods.

0101	Lourdes Salamanca-Riba TuTh 3:30pm - 4:45pm	Seats (Total: 25) JMP 2202

ENMA681 **Diffraction Techniques in Materials Science**

ENMA681 Diffraction Techniques in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCH 620. Theory of diffraction of electrons, neutrons and X-rays. Strong emphasis on diffraction methods as applied to the study of defects in solids. Short range order, thermal vibrations, stacking faults, microstrain.

0101	Luz Martinez-Miranda TuTh 11:00am - 12:15pm	Seats (Total: 9) CHE 2140

ENMA683 **Structural Determination Laboratory**

ENMA683 *(PermReq)* **Structural Determination Laboratory; (1 credit)** Grade Method: REG.

Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA698L or ENMA683. Formerly ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Lourdes Salamanca-Riba Th 9:30am - 11:30am	Seats (Total: 5) KEB 1237	Lab
0201	Lourdes Salamanca-Riba F 2:00pm - 4:00pm	Seats (Total: 5) KEB 1237	Lab

ENMA684 **Advanced Finite Element Modeling**

ENMA684 Advanced Finite Element Modeling; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA684 or ENMA698I. Formerly ENMA698I. A brief review of mechanical behavior of materials, introduction to Finite Element Modeling (FEM), and procedures for predicting mechanical behavior of materials by FEM using computer software (at present ANSYS). The FEM procedures include, setting up the model, mesh generation, data input and interpretation of the results.

0101	Sreeramamurthy Ankem M 10:00am - 12:50pm	Seats (Total: 8) CHE 2140

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Manfred Wuttig, Gary Rubloff F 1:00pm - 2:30pm	Seats (Total: 28) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698B **Special Problems in Materials Science and Engineering; Nanomechanics of Biomaterials**

ENMA698B Special Problems in Materials Science and Engineering: Nanomechanics of Biomaterials; (3 credits) Grade Method: REG/AUD.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 13) CHE 2145

ENMA698C **Special Problems in Materials Science and Engineering; Advanced Polymer Science**

ENMA698C Special Problems in Materials Science and Engineering: Advanced Polymer Science; (3 credits) Grade Method: REG/AUD.

0101	Kyu Yong Choi TuTh 9:30am - 10:45am	Seats (Total: 6) CHE 2136

ENMA698M **Special Problems in Materials Science and Engineering; Reliability Engineering**

ENMA698M Special Problems in Materials Science and Engineering: Reliability Engineering; (3 credits) Grade Method: REG/AUD.

0101	Aristos Christou M 3:30pm - 6:10pm	Seats (Total: 40) JMP 2202
ER01	Aristos Christou Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)

ENMA797 **Independent Study**

ENMA797 Independent Study; (3 credits) Grade Method: REG/AUD.
This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Manfred Wuttig	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Fall 2010

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F.
The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	David Bigio	Seats (Total: 65)
	Th 12:30pm - 1:30pm	EGR 1202

ENME232 **Thermodynamics**

ENME232 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262).* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Greg Jackson MW 9:00am - 10:15am Th 11:00am - 12:50pm	Seats (Total: 35) EGR 1202 CCC 1111	 Lab
0102	Greg Jackson MW 9:00am - 10:15am Th 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 CHE 2108	 Lab
0104	Greg Jackson MW 9:00am - 10:15am F 9:00am - 10:50am	Seats (Total: 35) EGR 1202 EGR 0110	 Lab

ENME271 **Introduction to Matlab**

ENME271 *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

0101	Peter Bernard MW 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 35) JMP 3201 KEB 2107	 Discussion
0102	Peter Bernard MW 11:00am - 11:50am M 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	 Discussion

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENME232 and ENES221.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Ilias Balaras, Kenneth Kiger MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 CSS 1113	 Lab
0102	Ilias Balaras, Kenneth Kiger MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 EGR 0135	 Lab
0103	Ilias Balaras, Kenneth Kiger MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 CSS 1113	 Lab
0104	Kenneth Kiger, Ilias Balaras MW 12:00pm - 12:50pm M 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 EGR 0110	 Lab
0105	Kenneth Kiger, Ilias Balaras MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 33) EGR 1202 CHM 0127	 Lab

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Jungho Kim MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 MTH 0201	 Lab
0102	Jungho Kim MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 MTH 0201	 Lab
0103	Jungho Kim MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 PHY 1402	 Lab

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS270 and 271 {Formerly PHYS263}. Credit will be granted for only one of the following: ENME252 or ENME350. Formerly ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Donald Barker MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0102	Donald Barker MW 8:00am - 8:50am Th 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0103	Donald Barker MW 8:00am - 8:50am W 3:20pm - 5:10pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0104	Donald Barker MW 8:00am - 8:50am Tu 3:20pm - 5:10pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0105	Donald Barker MW 8:00am - 8:50am Th 3:20pm - 5:10pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME350 and (PHY 270 and 271 {Formerly PHYS263}). Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Elisabeth Smela MW 10:00am - 10:50am M 3:20pm - 5:10pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab

0102	Elisabeth Smela MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab
0103	Elisabeth Smela MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, ENES221, ENME271, and MATH246. For ENME majors only. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	B Balachandran TuTh 9:30am - 10:45am	Seats (Total: 95) CHM 0115	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME392, or STAT400. For ENME majors only. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0101	Aris Cleanthous, Michael Azarian, Chandrasekhar Thamire MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 35) CHE 2108 EGL 0101	 Lab
0102	Chandrasekhar Thamire, Michael Azarian, Aris Cleanthous MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 35) CHE 2108 EGL 0101	 Lab

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities. Delivered via ITV.

0101	Christopher Chabalko TuTh 11:00am - 12:15pm	Seats (Total: 58) EGR 2107
0201	Michel Cukier TuTh 9:30am - 10:45am	Seats (Total: 80) ANS 0408

ENME408 **Selected Topics in Engineering Design; Automotive Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design: Automotive Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gregory Schultz MW 5:00pm - 6:15pm	Seats (Total: 60) JMP 3201

ENME414 **Computer-Aided Design**

ENME414 *(PermReq)* **Computer-Aided Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project. Design technical elective.

0101	Guangming Zhang MWF 8:00am - 8:50am	Seats (Total: 42) KEB 2111

ENME423 **Building Cooling Heating and Power Systems**

ENME423 *(PermReq)* **Building Cooling Heating and Power Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME232 and ENME332. Introduction to the evaluation of cooling, heating and power requirements of buildings. Description, design and evaluation of state-of-the-art and emerging integrated cooling, heating and power systems (engines, micro-turbines, absorption and desiccant systems) as they are applied to buildings. The course uses the Chesapeake building facility and the campus cogeneration facility as real-life demonstration examples. Delivered via ITV.

0101	Yunho Hwang MW 3:30pm - 4:45pm	Seats (Total: 30) KEB 2107

ENME426 **Production Management**

ENME426 *(PermReq)* **Production Management; (3 credits)** Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: BMGT385, ENME426 or ENME489J. Formerly ENME489J. The basic concepts and models needed to understand and design manufacturing systems, including the history of manufacturing, performance measures, queuing systems, variability, production planning and scheduling, lean manufacturing, and pull production control.

0101	Jeffrey Herrmann MW 2:00pm - 3:15pm	Seats (Total: 42) EGR 2107

ENME430 **Fundamentals of Nuclear Reactor Engineering**

ENME430 *(PermReq)* **Fundamentals of Nuclear Reactor Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and permission of department. Credit will be granted for only one of the following: ENME430 or ENME489N. Formerly ENME489N. Fundamental aspects of nuclear physics and nuclear engineering, including nuclear interactions; various types of radiation and their effects on materials and humans; and basic reactor physics topics, including simplified theory of reactor critically.

0101	Robert Sanders TuTh 2:00pm - 3:15pm	Seats (Total: 40) EGR 2107

ME01	Robert Sanders Class time/details on ELMs	Seats (Total: 15) ONLINE	
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 15) ONLINE	

ENME454 **Vehicle Dynamics**

ENME454 Vehicle Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ENME489V. The fundamentals of passenger vehicle and light truck design and vehicle dynamics are covered. The engineering principles associated with acceleration, braking, handling, ride quality, aerodynamics, and tire mechanics are discussed, as well as suspension and steering design.

0101	Gregory Schultz MW 3:30pm - 4:45pm	Seats (Total: 60) JMP 3201	

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME351 and ENME361. Formerly ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems. Delivered via ITV.

0101	Sarah Bergbreiter MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 46) KEB 1110 KEB 2111	 Discussion
0102	Sarah Bergbreiter MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 42) KEB 1110 KEB 2111	 Discussion

ENME470 **Finite Element Analysis**

ENME470 Finite Element Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Senior standing.* Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 12:00pm - 12:50pm	Seats (Total: 42) KEB 2111	

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Linda Schmidt, Tien-Mo Shih, Santiago Solares TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 35) EGR 1202 EGL 0101	 Lab
0102	Linda Schmidt, Santiago Solares, Tien-Mo Shih TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 36) EGR 1202 EGL 0101	 Lab
0103	Linda Schmidt, Tien-Mo Shih, Santiago Solares TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 24) EGR 1202 EGR 3108	 Lab

ENME473 **Mechanical Design of Electronic Systems**

ENME473 *(PermReq)* **Mechanical Design of Electronic Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME310; and ENME360; and ENME321. Design considerations in the packaging of electronic systems. Production of circuit boards and design of electronic assemblies. Vibration, shock, fatigue and thermal considerations. Delivered via ITV.

0101	Donald Barker MW 2:00pm - 3:15pm	Seats (Total: 25) ITV 1111	

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489A **Special Topics in Mechanical Engineering; Air Pollution**

ENME489A *(PermReq)* **Special Topics in Mechanical Engineering: Air Pollution; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ashwani Gupta	Seats (Total: 58)
	Th 4:00pm - 6:40pm	EGR 2107

ENME489B **Special Topics in Mechanical Engineering; Lean Six Sigma**

ENME489B *(PermReq)* **Special Topics in Mechanical Engineering: Lean Six Sigma; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: permission of department and completion of or concurrent enrollment in a Statistics course.

0101	David Bigio	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	EGR 0108

ENME489C **Special Topics in Mechanical Engineering; Medical Robotics**

ENME489C *(PermReq)* **Special Topics in Mechanical Engineering: Medical Robotics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jaydev Desai	Seats (Total: 25)
	MW 11:00am - 12:15pm	EGR 0110

ENME489E **Special Topics in Mechanical Engineering; Lab-on-a-chip Microsystems**

ENME489E *(PermReq)* **Special Topics in Mechanical Engineering: Lab-on-a-chip Microsystems; (3 credits)** Grade Method: REG/P-F/AUD.
Department permission required.

0101	Don DeVoe	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	JMP 1109

ENME489F **Special Topics in Mechanical Engineering; Dynamics of Atmospheric Flight**
Contact department for information to register for this course.

ENME489G **Special Topics in Mechanical Engineering; Processing of Materials in Manufacturing**

ENME489G *(PermReq)* **Special Topics in Mechanical Engineering: Processing of Materials in Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME382 and permission of department.

0101	George Dieter	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EGR 0108

ENME489I **Special Topics in Mechanical Engineering; Computational Fluid Mechanics**

ENME489I *(PermReq)* **Special Topics in Mechanical Engineering: Computational Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Peter Bernard	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 0108

ENME489J **Special Topics in Mechanical Engineering; Fatigue Life Prediction**
Contact department for information to register for this course.

ENME489V **Special Topics in Mechanical Engineering; Mechanical Contracting**

ENME489V *(PermReq)* **Special Topics in Mechanical Engineering: Mechanical Contracting; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Arnold Woodall Th 8:00am - 10:40am	Seats (Total: 28) CHE 2145

ENME489Y **Special Topics in Mechanical Engineering; Deformable Bodies**

ENME489Y *(PermReq)* **Special Topics in Mechanical Engineering: Deformable Bodies; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Hugh Bruck MW 11:00am - 12:15pm	Seats (Total: 25) JMP 1109

ENME600 **Engineering Design Methods**

ENME600 Engineering Design Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor. 3 semester hours. Not open to students who have completed ENME 808F during Spring 1999 semester or the Fall 1996 semester..* An introductory graduate level course in critical thinking about formal methods for design in Mechanical Engineering. Course participants gain background on these methods and the creative potential each offers to designers. Participants will formulate, present, and discuss their own opinions on the value and appropriate use of design materials for mechanical engineering.

0101	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 20) ITV 1100
ER01	Linda Schmidt Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA

SG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA

ENME605 **Advanced Systems Control**

ENME605 Advanced Systems Control; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 403 or permission of instructor.* Modern control theory for both continuous and discrete systems. State space representation is reviewed and the concepts of controllability and observability are discussed. Design methods of deterministic observers are presented and optimal control theory is formulated. Control techniques for modifying system characteristics are discussed.

0101	Nikhil Chopra MW 5:00pm - 6:15pm	Seats (Total: 30) EGR 0108

ENME610 **Engineering Optimization**

ENME610 Engineering Optimization; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor. 3 semester hours.* Overview of applied single- and multi- objective optimization and decision making concepts and techniques with applications in engineering design and/or manufacturing problems. Topics include formulation examples, concepts, optimality conditions, unconstrained/constrained methods, and post-optimality sensitivity analysis. Students are expected to work on a semester-long real-world multi-objective engineering project.

0101	Shapour Azarm Tu 4:00pm - 6:40pm	Seats (Total: 25) CHE 2118

ENME631 **Advanced Conduction and Radiation Heat Transfer**

ENME631 Advanced Conduction and Radiation Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENME 315; and ENME 321; and ENME 700 or equivalent} or permission of instructor. Theory of conduction and radiation. Diffused and directional, poly- and mono-chromatic sources. Quantitative optics. Radiation in enclosures. Participating media. Integrodifferential equations. Multidimensional, transient and steady-state conduction. Phase change. Coordinate system transformations.

0101	Bao Yang	Seats (Total: 25)
	MW 3:30pm - 4:45pm	CHM 0122

ENME633 **Molecular Thermodynamics**

ENME633 Molecular Thermodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENNU 625. An examination of the interactions between molecules, which govern thermodynamics relevant to engineering, will be conducted. We will investigate both classical and statistical approaches to thermodynamics for understanding topics such as phase change, wetting of surfaces, chemical reactions, adsorption, and electrochemical processes. Statistical approaches and molecular simulation tools will be studied to understand how molecular analysis can be translated to macroscopic phenomena.

0101	Greg Jackson	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 2116

ENME640 **Fundamentals of Fluid Mechanics**

ENME640 Fundamentals of Fluid Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Partial differential equations at the level of MATH 462 or permission of department. Formerly ENME651. Equations governing the conservation of mass, momentum, vorticity and energy in fluid flows. Low Reynolds number flows. Boundary layers. The equations are illustrated by analyzing a number of simple flows. Emphasis is placed on physical understanding to facilitate the study of advanced topics in fluid mechanics.

0101	James Duncan, Christine Ikeda	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 0108

ENME662 **Linear Vibrations**

ENME662 Linear Vibrations; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 360 or equivalent or permission of instructor. Development of equations governing small oscillations and spatially continuous systems. Newton's equations, Hamilton's principle, and Lagrange's equations. Free and forced vibrations of mechanical systems. Modal analysis. Finite element discretization and reductions of continuous systems. Numerical methods. Random vibrations.

FS01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 25) ITV 1100

ENME670 **Continuum Mechanics**

ENME670 Continuum Mechanics; (3 credits) Grade Method: REG/AUD.
Mechanics of deformable bodies, finite deformation and strain measures, kinematics of continua and global and local balance laws. Thermodynamics of continua, first and second laws. Introduction to constitutive theory for elastic solids, viscous fluids and memory dependent materials. Examples of exact solutions for linear and hyper elastic solids and Stokesian fluids.

0101	Teng Li TuTh 3:30pm - 4:45pm	Seats (Total: 35) CSI 2120

ENME680 **Experimental Mechanics**

ENME680 Experimental Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate course in instrumentation or equivalent. Advanced methods of measurement in solid and fluid mechanics. Scientific photography, moire, photoelasticity, strain gages, interferometry, holography, speckle, ndt techniques, shock and vibration, and laser anemometry.

0101	Bongtae Han TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMP 1202

ENME690 **Mechanical Fundamentals of Electronic Systems**

ENME690 Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.
An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.

0101	Donald Barker MW 2:00pm - 3:15pm	Seats (Total: 20) ITV 1111
ER01	Donald Barker Contact instructor or department for details.	Seats (Total: 5)
RE01	Donald Barker Contact instructor or department for details.	Seats (Total: 5)

ENME711 **Vibration Damping**

ENME711 Vibration Damping; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 662 or equivalent. Recommended: Vibration. 3 semester hours. For ENGR majors only.* This course aims at introducing the different damping models that describe the behavior of viscoelastic materials. Emphasis will be placedon m odeling the dynamics of simple structures (beams, plates & shells) with Passive Constrained Layer Damping (PCLD). Considerations will also be g iven to other types of surface treatments such as Magnetic Constrained Layer Damping (MCLD), Shunted Network Constrained Layer Damping (SNCLD),Active Constrained Layer Damping (ACLD) and Electrorheological Constrained Layer Damping (ECLD). Energy dissipation characteristics of the damp ing treatments will be presented analytically & by using the modal strain energy approach as applied to finite element models of vibrating structures.

0101	Amr Baz TuTh 5:00pm - 6:15pm	Seats (Total: 25) EGR 0135

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**
Contact department for information to register for this course.

ENME808A **Advanced Topics in Mechanical Engineering; Prognostics and Health Management**

ENME808A Advanced Topics in Mechanical Engineering: Prognostics and Health Management; (3 credits) Grade Method: REG/AUD.

0101	Michael Pecht MW 10:00am - 11:15am	Seats (Total: 25) EGR 2103
RE01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME808C **Advanced Topics in Mechanical Engineering; Sensors and Actuators**

ENME808C Advanced Topics in Mechanical Engineering: Sensors and Actuators; (3 credits) Grade Method: REG/AUD.

0101	Miao Yu TuTh 12:30pm - 1:45pm	Seats (Total: 25) CSS 2416

ENME808E **Advanced Topics in Mechanical Engineering; Lab-on-a-chip Microsystem Engineering**

ENME808E Advanced Topics in Mechanical Engineering: Lab-on-a-chip Microsystem Engineering; (3 credits) Grade Method: REG/AUD.

0101	Don DeVoe TuTh 3:30pm - 4:45pm	Seats (Total: 35) JMP 1109

ENME808Q **Advanced Topics in Mechanical Engineering; Professional Preparation**

ENME808Q Advanced Topics in Mechanical Engineering: Professional Preparation; (3 credits) Grade Method: REG/AUD.

0101	David Bigio Tu 6:00pm - 8:30pm	Seats (Total: 20) EGR 3102

ENME808W **Advanced Topics in Mechanical Engineering; Energy Efficiency and Conservation**

ENME808W Advanced Topics in Mechanical Engineering: Energy Efficiency and Conservation; (3 credits) Grade Method: REG/AUD.

0101	Michael Ohadi TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 0110

ENME808Y **Advanced Topics in Mechanical Engineering; Deformable Bodies**

ENME808Y Advanced Topics in Mechanical Engineering: Deformable Bodies; (3 credits) Grade Method: REG/AUD.

0101	Hugh Bruck MW 11:00am - 12:15pm	Seats (Total: 10) JMP 1109

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Fall 2010

ENNU468 **Research**

ENNU468 *(PermReq)* **Research; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU489 **Special Topics in Nuclear Engineering**

ENNU489 Special Topics in Nuclear Engineering; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU609 **Seminar in Nuclear Engineering**

ENNU609 Seminar in Nuclear Engineering; (1 credit) Grade Method: REG/AUD.

0101	Aristos Christou	Seats (Total: 25)
	Contact instructor or department for details.	

ENNU648 **Special Problems in Nuclear Engineering; Special Problems in Neuclear Engineering**

ENNU648 Special Problems in Nuclear Engineering: Special Problems in Neuclear Engineering; (1-16 credits) Grade Method: REG/AUD.

0101	Mohamad Al-Sheikhly	Seats (Total: 30)
	Contact instructor or department for details.	

ENNU648A **Special Problems in Nuclear Engineering; Reactor Operations**

ENNU648A Special Problems in Nuclear Engineering: Reactor Operations; (3 credits) Grade Method: REG/AUD.

0101	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 20)

ENNU648B **Special Problems in Nuclear Engineering; Nuclear Fuel Cycle Safety**

ENNU648B Special Problems in Nuclear Engineering: Nuclear Fuel Cycle Safety; (3 credits) Grade Method: REG/AUD.

0101	Robert Sanders TuTh 4:00pm - 5:15pm	Seats (Total: 20) ITV 1100
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 20) ONLINE

ENNU648F **Special Problems in Nuclear Engineering; Nuclear Systems and Severe Accidents**

ENNU648F Special Problems in Nuclear Engineering: Nuclear Systems and Severe Accidents; (3 credits) Grade Method: REG/AUD.

0101	Mahmoud Massoud M 5:00pm - 8:00pm	Seats (Total: 10) EGR 3111
NE01	Mahmoud Massoud Class time/details on ELMs	Seats (Total: 10) ONLINE

ENNU649 **Selected Topics in Nuclear Engineering**

ENNU649 *(PermReq)* **Selected Topics in Nuclear Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU655 **Radiation Engineering**

ENNU655 Radiation Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of both department and instructor.* An analysis of such radiation applications as synthesizing chemicals, preserving foods, control of industrial processes, design of irradiation installations. E.G., Cobalt 60 gamma ray sources, electronuclear machine arrangement, and chemonuclear reactors.

0101	Mohamad Al-Sheikhly TuTh 12:30pm - 1:45pm	Seats (Total: 15) EGR 2103
FS01	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 5)
HG01	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 5)
HT01	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 5)
NE01	Mohamad Al-Sheikhly Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 5)
SM01	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 5)

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Fall 2010

ENPM600 **Probability and Stochastic Processes for Engineers**

ENPM600 Probability and Stochastic Processes for Engineers; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate introduction to discrete and continuous probability.
Axioms of probability; conditional probability and Bayes' rule; random variables, probability distributions and densities; functions of random variables; definition of stochastic process; stationary processes, correlation functions, and power spectral densities; stochastic processes and linear systems; estimation and optimum filtering. Applications in communication and control systems, signal processing, and detection and estimation.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
HG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM609 **Microprocessor-Based Design**

ENPM609 Microprocessor-Based Design; (3 credits) Grade Method: REG/AUD. *Prerequisites: undergraduate logic design, computer architecture, and programming courses.* Introduction to microprocessor components, software, and tools. Architectures, instruction sets, and assembly language programming for a commercial microprocessor family. Real-time programming techniques. Peripheral chips such as, parallel ports, counter-timers, DMA controllers, interrupt controllers, and serial communication units. Design projects emphasizing intergrated hardware and software solutions to engineering problems.

0101	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
HG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM611 **Software Engineering**

ENPM611 Software Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: competency in one programming language. Credit will be granted for only one of the following: ENPM 611 or ENPM 808G. Formerly ENPM808G.* Software engineering concepts, methods, and practices important to both the theorist and the practitioner will be covered. The entire range of responsibilities expected of a software engineer are presented. The fundamental areas of requirements development, software design, programming languages, and testing are covered extensively. Sessions on supporting areas such as systems engineering, project management, and software estimation are also included.

0101	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100

HG01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM613 **Software Design & Implementation**

ENPM613 Software Design & Implementation; (3 credits) Grade Method: REG/AUD.
Prerequisite: An undergraduate software course, knowledge of C or C++ Programming. Credit will be granted for only one of the following: ENPM608 or ENPM613. Formerly ENPM608. Software design concepts and practices within the field important to both the practitioner and the theorist will be covered. Architectural and detailed designs are included for batch, client/server, and real-time systems. Design considerations for structured, object-oriented, and Web-based systems are covered. Design of databases, user interfaces, forms, and reports are also included. Implementation issues that affect the design, including error handling, performance, and inter-process communication, are presented.

0101	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
HG01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM620 **Computer Aided Engineering Analysis**

ENPM620 *(PermReq)* **Computer Aided Engineering Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Computer assisted approach to the solution of engineering problems. Review and extension of undergraduate material in applied mathematics including linear algebra, vector calculus, differential equations, and probability and statistics.

0101	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
HG01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Chandrasekhar Thamire Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM622 **Energy Conversion I - Stationary Power**

ENPM622 Engergy Conversion I - Stationary Power; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate thermodynamics and heat transfer. Thermal engineering of modern power generation systems. Cycle analysis of various modern power generation technologies including gas turbine, combined cycle, waste burning and cogeneration. Energy storage and energy transport.

0101	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2103

HG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Eugene Keating Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM624 **Renewable Energy Applications**

ENPM624 Renewable Energy Applications; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Thermodynamics and heat transfer of renewable energy sources for heating, power generation and transportation. Wind energy, solar thermal, photovoltaic, biomass, waste burning, and hydropower. Broad overview of the growing use of renewable energy sources in the world economy with detailed analysis of specific applications.

0101	Justin Zachary Tu 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
HG01	Justin Zachary Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Justin Zachary Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Justin Zachary Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Justin Zachary Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Justin Zachary Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM627 **Environmental Risk Analysis**

ENPM627 Environmental Risk Analysis; (3 credits) Grade Method: REG/AUD. The fundamental methodology for analyzing environmental risk is described with examples for selected applications. Key elements of the environmental risk methodology include: (1) source term and release characterization, (2) migration of contaminants in various media, (3) exposure assessment, (4) dose-response evaluation, (5) risk characterization, and (6) risk management. Also included will be an introduction to uncertainty analysis and environmental laws and regulations. It is intended to provide students with the basic skills and knowledge needed to manage, evaluate, or perform environmental risk assessments and risk analyses.

0101	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
HG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 20) ONLINE
SG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM635 **Thermal Systems Design Analysis**

ENPM635 Thermal Systems Design Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate thermodynamics, fluid mchanics, heat transfer. Evaluates the trade-offs associcted with thermal systems. Use of software for system simulation, evaluation and optimization. Applications include power and refrigeration systems, electronics cooling, distillation columns, dehumidifying coils, and co-generation systems.

0101	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
HG01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Karim Amrane Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM641 **Systems Concepts, Issues, and Processes**

ENPM641 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: permission of department. 3 semester hours. Also offered as ENSE621. Credit will be granted for only one of the following: ENPM641 or ENSE621. An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SysML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SysML. Students will complete a project for the front-end development of an engineering system using ULM/SysML.

0101	Colby Raley M 7:00pm - 9:40pm	Seats (Total: 41) EGR 2107
HG01	Colby Raley M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Colby Raley M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Colby Raley M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Colby Raley M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM643 **Systems Projects, Validation and Verification**

ENPM643 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: ENPM642/ENSE622 and permission of department. Also offered as ENSE623. Credit will be granted for only one of the following: ENPM642 or ENSE623.
This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics wil cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to sytem validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.

0101	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
HG01	Mark Austin Contact instructor or department for details.	Seats (Total: 5)
HT01	Mark Austin Contact instructor or department for details.	Seats (Total: 5)
SG01	Mark Austin Contact instructor or department for details.	Seats (Total: 5)
SM01	Mark Austin Contact instructor or department for details.	Seats (Total: 5)

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE626. Credit will be granted for only one of the following: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
HG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM663 **Introduction to Kinetics of Reactions in Materials**

ENPM663 Introduction to Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 461. The thermodynamics of solid solutions, free energy and phase diagrams, thermodynamics of interfaces, concepts of kinetics are introduced. Diffusion in solids, nucleation kinetics and kinetics of composition invariant solid-solid interface migration are reviewed. The growth of phases and cellular segregation are also introduced. Also offered as ENMA 471.

0101	Raymond Phaneuf TuTh 2:00pm - 3:15pm	Seats (Total: 15) CHE 2136

ENPM681 **Shockwave Physics I**

ENPM681 Shockwave Physics I; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM681 or ENPM8008V. Formerly ENPM808V. Covers the history of Shock Wave Physics becoming a scientific discipline, conservation equations for one-dimensional plane steady shocks, Eulerian coordinate system, wave stability conditions, impedance matching technique for design and analysis of experiments, select group of experimental techniques, experimental error analysis, thermodynamics of shock waves including use of consistent equations of state, derivation of plane one dimensional differential conservation laws, and uniqueness of steady wave profiles.

PE01	Jerry Forbes	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ENPM690 **Fundamentals of Technology Startup Ventures**

ENPM690 Fundamentals of Technology Startup Ventures; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENPM690 or ENPM808A. Formerly ENPM808A. Students will learn the basics of entrepreneurship including the various types of entrepreneurship; what makes the difference between success and failure; the importance of networking to obtain advice without letting others know about the idea and how to create success from almost nothing. Students will also be led through an exercise to determine the strength of their learnings toward entrepreneurship.

VI01	Carolyn Karlson	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos	Seats (Total: 10)
	Contact instructor or department for details.	
EF01	George Syrmos	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

ENPM808F **Advanced Topics in Engineering; TCP/IP Networking**
Contact department for information to register for this course.

ENPM808J **Advanced Topics in Engineering; Fundamentals for Thermal Systems**

ENPM808J Advanced Topics in Engineering: Fundamentals for Thermal Systems; (3 credits) Grade Method: REG/AUD.

ME01	David Didion Class time/details on ELMs	Seats (Total: 15) ONLINE

ENPM808N **Advanced Topics in Engineering; Network Security**

ENPM808N Advanced Topics in Engineering: Network Security; (3 credits) Grade Method: REG/AUD.

0101	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
HG01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPP Engineering and Public Policy Fall 2010

ENPP610 **MEPP Capstone**

ENPP610 MEPP Capstone; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of MEPP Program; completion of or co-registration of ENCE611. MEPP Students, in the last year of their program, will learn case study methods of analysis as they relate to issues of engineering and public policy, through case studies on pressing issues in areas such as environment, national security, biotechnology, energy, infrastructure, development and manufacturing. The course will begin by review of case study methods and analysis. This will be followed by addressing case studies selected by the instructor.

0101	Barry Koh	Seats (Total: 15)
	Th 3:30pm - 6:30pm	EGR 3111

ENPP611 **MEPP Scholarly Practicum**

ENPP611 *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Practicum proposal must be approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Matthias Ruth, Deborah Goodings	Seats (Total: 8)
	Contact instructor or department for details.	

ENRE Reliability Engineering Fall 2010

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE600 **Reliability Engineering**

ENRE600 Reliability Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE 620.* Organization, management and communication concepts in reliablity engineering. Mechanisms and physics of failure, methods for failure-rate determination. Methods of design for reliability and maintainability. Life cycle costing and equipment sparing policies. Measuring reliability for improvement. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Aristos Christou M 3:30pm - 6:10pm	Seats (Total: 40) JMP 2202
ER01	Aristos Christou Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)

ENRE602 **Reliability Analysis**

ENRE602 Reliability Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE620.* Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 35) EGR 2107
ER01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 12) ONLINE
FS01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
HG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

HT01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
RE01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 10) Location: TBA
SG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
SM01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

ENRE640 **Collection and Analysis of Reliability Data**
Contact department for information to register for this course.

ENRE642 **Reliability Engineering Management**
Contact department for information to register for this course.

ENRE646 **Maintainability Engineering**
Contact department for information to register for this course.

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE648A **Special Problems in Reliability Engineering; Mechanical Fundamentals of Electronic Systems**

ENRE648A Special Problems in Reliability Engineering: Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.

0101	Donald Barker MW 2:00pm - 3:15pm	Seats (Total: 5) ITV 1111
ER01	Donald Barker Contact instructor or department for details.	Seats (Total: 5)

RE01	Donald Barker Contact instructor or department for details.	Seats (Total: 5)

ENRE648E **Special Problems in Reliability Engineering; Engineering Design Methods**

ENRE648E Special Problems in Reliability Engineering: Engineering Design Methods; (3 credits) Grade Method: REG/AUD.

0101	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 20) ITV 1100
ER01	Linda Schmidt Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA

ENRE648F **Special Problems in Reliability Engineering; Engineering Optimization**

ENRE648F Special Problems in Reliability Engineering: Engineering Optimization; (3 credits) Grade Method: REG/AUD.

0101	Shapour Azarm Tu 4:00pm - 6:40pm	Seats (Total: 25) CHE 2118

ENRE648J **Special Problems in Reliability Engineering; Prognostics and Health Management**

ENRE648J Special Problems in Reliability Engineering: Prognostics and Health Management; (3 credits) Grade Method: REG/AUD.

0101	Michael Pecht MW 10:00am - 11:15am	Seats (Total: 25) EGR 2103
RE01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE

ENRE655 **Advanced Methods in Reliability Modeling**
Contact department for information to register for this course.

ENRE670 **Risk Assessment for Engineers I**

ENRE670 Risk Assessment for Engineers I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE 602. Also offered as ENNU 651. Credit will be granted for only one of the following: ENNU 651 or ENRE 670.* Why study risk, sources of risk, probabilistic risk assessment procedure, factors affecting risk acceptance, statistical risk acceptance analysis, psychometric risk acceptance, perception of risk, comparison or risks, consequence analysis, risk benefit assessment. Risk analysis performed for light water reactors, chemical industry, and dams. Class projects on risk management concepts.

0101	Reza Kazemi-Tabriz, Ali Mosleh M 10:00am - 12:40pm	Seats (Total: 20) EGR 1110
ER01	Reza Kazemi-Tabriz, Ali Mosleh Class time/details on ELMs	Seats (Total: 10) ONLINE
RE01	Ali Mosleh, Reza Kazemi-Tabriz Contact instructor or department for details.	Seats (Total: 10)

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Fall 2010

ENSE621 **Systems Concepts, Issues, and Processes**

ENSE621 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. 3 semester hours. Also offered as ENPM641. Credit will be granted for only one of the following: ENPM641 or ENSE621. An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SysML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SysML. Students will complete a project for the front-end development of an engineering system using ULM/SysML.

0101	Colby Raley	Seats (Total: 41)
	M 7:00pm - 9:40pm	EGR 2107

ENSE623 **Systems Projects, Validation and Verification**

ENSE623 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM642/ENSE622 and permission of department. Also offered as ENPM643. Credit will be granted for only one of the following: ENPM643, ENSE 610 or ENSE 623. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics wil cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to sytem validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.

0101	Mark Austin	Seats (Total: 25)
	Tu 7:00pm - 9:40pm	ITV 1111

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM646. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Nidak Sumrean	Seats (Total: 25)
	W 7:00pm - 9:40pm	EGR 2107

ENSE699 **Directed Study in Systems Engineering**

ENSE699 *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Fall 2010

ENSP101 **Introduction to Environmental Science**

ENSP101 Introduction to Environmental Science; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
Not open to students who have completed BSCI235 or PBIO205. One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

0101	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 EGR 0110	 Discussion
0102	Bruce James MWF 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 EGR 3102	 Discussion
0103	Bruce James MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 JMZ 2117	 Discussion
0104	Bruce James MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 JMZ 1124	 Discussion
0105	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 EGR 3102	 Discussion

0106	Bruce James MWF 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 EGR 1102	 Discussion
0107	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 SYM 0209	 Discussion

ENSP330 **Introduction to Environmental Law**

ENSP330 *(PermReq)* **Introduction to Environmental Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENSP101 and ENSP102. Junior standing. Credit will be granted for only one of the following: ENSP330 or ENSP399A. Formerly ENSP399A. An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger TuTh 11:00am - 12:15pm	Seats (Total: 35) PLS 1113

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: internship proposal approved by the specialty advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399B **Special Topics in Environmental Science and Policy; Science, Ethics and Law of Water**

ENSP399B *(PermReq)* **Special Topics in Environmental Science and Policy: Science, Ethics and Law of Water; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENSP101 and ENSP102 . Junior standing. Students may not enroll concurrently in ENSP399B and ENSP330 without approval from the instructor.

0101	Joanna Goger	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PLS 1113

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 Capstone in Environmental Science and Policy; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Senior Standing or Permission of the Director of ENSP; ENSP101 and 102. For ENSP majors only. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James, Craig Giesecke	Seats (Total: 40)
	TuTh 3:30pm - 5:00pm	TYD 0101

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology Fall 2010

ENST100 **International Crop Production-Issues and Challenges in the 21st Century**

ENST100 International Crop Production-Issues and Challenges in the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Credit will be granted for only one of the following: ENST100 or NRSC100. Formerly NRSC100. Examines the role of crop production in elevating humans out of poverty in developing countries. It will introduce students to the basic principles of plant and soil science underlying the international production of food crops and world food security. The role of multinational agencies such as the World Bank in the promotion of sustainable crop production using environmentally-sound technologies will also be discussed.

0101	Prabahkar Tamboli	Seats (Total: 36)
	MWF 11:00am - 11:50am	HJP 1104

ENST214 **Introduction to Fish and Wildlife Sciences**

ENST214 Introduction to Fish and Wildlife Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: A course in Biology or permission of instructor. Lectures, discussion, and readings in social, biological, and human dimension issues facing fisheries and wildlife biologists and natural resource managers in the United States. Coverage will include history and philosophical discussions of fish and wildlife sciences; conservation and management; principles of community, habitat, and animal ecology and management; and interrelations of wildlife, fish, and forestry.

0101	Reginal Harrell TuTh 12:30pm - 1:45pm	Seats (Total: 35) ANS 0412	

ENST233 **Introduction to Environmental Health**

ENST233 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degredation of our environment and the impact of environmental degradation on the health of people.

0101	Lance Yonkos TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 45) ANS 0408 ANS 0422	 Discussion
0102	Lance Yonkos TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 45) ANS 0408 ANS 0422	 Discussion

ENST305 **Alternative Energy**

ENST305 Alternative Energy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH111, PHYS121, and CHEM131; or permission of department. An overview of various renewable energy technologies and their current applications. Emphasis will be placed on energy sustainability, consumption, efficiency, and ease of transition to renewable energy alternatives. Quantification of incident solar energy is covered in detail along with the basic physics of energy conversion, current energy usage, and carbon capture and sequestration practices. Technologies include hydroelectric, wind and wave turbines, solar thermal conversion, photovoltaic, hydrogen, fuel cells, geothermal, biogas, and biofuel.

0101	Stephanie Lansing MW 11:00am - 12:15pm	Seats (Total: 30) ANS 0422

ENST308 **Field Soil Morphology**

ENST308 Field Soil Morphology; (1 credit) Grade Method: REG/P-F/AUD.

0101	Brian Needelman Contact instructor or department for details.	Seats (Total: 20)

ENST333 **Ecosystem Health and Protection**

ENST333 Ecosystem Health and Protection; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: ENST233. Credit will be granted for only one of the following: ENST499A or ENST333. Formerly ENST499A. Discussion of the philosophies, principles, and practices for assessing ecosystem health with emphasis on an ecosystem perspective rather than a human health perspective. Degradation associated with human activities will be emphasized. Topics will range from local to regional to global issues, including a discussion on global warming and its possible impacts on ecosystems. Concepts will be clarified using case histories from the Chesapeake Bay watershed.

0101	Daniel Fisher TuTh 12:30pm - 1:45pm	Seats (Total: 35) ANS 0422

ENST373 **Natural History of the Chesapeake Bay**

ENST373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a course in biological sciences or permission of department. Also offered as BSCI373. Credit will be granted for only one of the following: BSCI373, ENST373, or ENST499G. Formerly ENST499G. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas	Seats (Total: 80)	
	MWF 3:00pm - 3:50pm	ANS 0408	

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 25)	
	Contact instructor or department for details.		

ENST398 **Seminar**

ENST398 *(PermReq)* **Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
This course is Senior Standing and for ENST Students only.

0101	Frank Coale	Seats (Total: 43)	
	W 4:00pm - 4:50pm	ANS 0408	
	W 5:00pm - 5:50pm	ANS 0408	Discussion

ENST414 **Soil Morphology, Genesis and Classification**

ENST414 Soil Morphology, Genesis and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST414 or NRSC414. Formerly NRSC414. Processes and factors of soil genesis. Taxonomy of soils of the world by U.S. System. Soil morphological characteristics, composition, classification, survey and field trips to examine and describe soils.

0101	Brian Needelman	Seats (Total: 20)	
	MWF 9:00am - 9:50am	HJP 1104	
	M 2:00pm - 5:00pm	HJP 0210	Lab

ENST417 **Soil Hydrology and Physics**

ENST417 Soil Hydrology and Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENST200 (formerly NRSC200) and a course in physics; or permission of department. Credit will be granted for only one of the following: ENST417 or NRSC417. Formerly NRSC417. A study of soil water interactions: the hydrologic cycle; the unique properties of water and soil; the soil components and their interactions; the field water cycle; transport processes involving water, heat and solutes; human effects on soil and groundwater; as well as the measurement, prediction, and control of the physical processes taking place in and through the soil.

0101	Robert Hill	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HJP 1104

ENST422 **Soil Biochemistry and Microbial Ecology**

ENST422 Soil Biochemistry and Microbial Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 or equivalent; or a course in microbiology or biochemistry. Credit will be granted for only one of the following: ENST422 or NRSC422. Formerly NRSC422. Study of soil biochemical and microbial processes pertinent to nutrient cycling, environmental quality, and agriculture. Focus on microbial taxanomy, physiology, and ecology in colloidal environments and natural waters.

0101	Bruce James	Seats (Total: 15)
	TuTh 9:30am - 10:45am	HJP 1104

ENST427 **Nonpoint Source Pollution Assessment Techniques**

ENST427 Nonpoint Source Pollution Assessment Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One course in hydrology or permission of department. Also offered as ENBE462. Credit will be granted for only one of the following: ENBE462 or ENST427. Various techniques to measure non-point source pollution, quantify mass transport, and statistically evaluate water quality criteria. Primary focus is on agriculture and water, but urban NPS pollution is addressed. Also offered as ENBE462. Credit will granted for only one of the following: ENBE462 or ENST427.

0101	Gary Felton TuTh 9:30am - 10:45am	Seats (Total: 30) ANS 0422

ENST444 **Restoration Ecology**

ENST444 Restoration Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH140. Credit will be granted for only one of the following: ENST444, NRMT489F, or NRMT444. Formerly NRMT489F.* Discussion of the philosophies, principles, and practices of ecosystem restoration. Presentation of restoration case histories include wetlands, lakes, streams, coastal systems, mined lands, and new ecosystems.

0101	David Tilley TuTh 11:00am - 12:15pm	Seats (Total: 51) ANS 0422

ENST445 **Ecological Risk Assessment**

ENST445 Ecological Risk Assessment; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST333, BSCI361, and BIOM301; or permission of department.* Assessment of ecological impacts of perturbations on natural systems. Course will describe quantitative methods for estimating environmental impacts by extrapolating from laboratory and field data. The role of regulatory agencies and implications of scientific uncertainty on risk management will be covered.

0101	Timothy Iannuzzi M 4:00pm - 6:50pm	Seats (Total: 20) ANS 0422

ENST461 **Urban Wildlife Management**

ENST461 Urban Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD. *Two lectures per week.. Credit will be granted for only one of the following: ENST461 or NRMT461. Formerly NRMT461.* Ecology and management of wildlife in urban areas. For students in biological sciences, geography, landscape design, natural resources management, recreation and urban studies. Planning, design, and wildlife conservation in landscape ecology. Public attitudes, preferences, and values, review of private conservation organizations. One Saturday field trip is scheduled.

0101	Lowell Adams TuTh 9:30am - 10:45am	Seats (Total: 40) ANS 0412

ENST470 **Natural Resources Management**

ENST470 *(PermReq)* **Natural Resources Management; (4 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
85 semester hours. For NRMT and ENST majors only. Field work and independent research on watersheds. Intensive seminar on resource management planning and report preparation. Offered Fall semester only.

0101	Patrick Kangas MW 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) ANS 0538
0102	Gary Felton MW 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) ANS 1420
0103	David Tilley MW 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 21) Location: TBA
0104	Stephanie Lansing MW 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) ANS 1422
0105	Lance Yonkos MW 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) Location: TBA

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST489D **Field Experience; Living Systems Design for Buildings**

ENST489D Field Experience: Living Systems Design for Buildings; (2 credits) Grade Method: REG/P-F/AUD.

0101	David Tilley	Seats (Total: 20)
	TuTh 7:00pm - 9:00pm	ARC 1213

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499G **Special Topics in Environmental Science and Technology; Treatment Wetlands**

ENST499G Special Topics in Environmental Science and Technology: Treatment Wetlands; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH220 and CHEM131 or equivalent; Junior or Senior standing. Ecological and engineering aspects of treatment wetlands will be explored through design projects and discussion of case studies. Treatment wet lands designed pollutants from various wastewater sources will be the focus of this course. Current research of treatment wetland technologies will also be examined. Field trips will be planned according to students' schedules.

0101	Brandon Winfrey	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ANS 0422

ENST602 **Research Principles and Methodology in Environmental Scienceand Technolgy**

ENST602 *(PermReq)* **Research Principles and Methodology in Environmental Scienceand Technolgy; (3 credits)** Grade Method: REG/AUD.
For ENST majors only. Fundamental research strategies and methods of investigation in Environmental Science and Technology including field and laboratory procedures.

0101	Martin Rabenhorst	Seats (Total: 15)	
	MW 8:00am - 8:50am	PLS 1162	
	W 12:00pm - 3:00pm	HJP 0210	Lab

ENST608 **Research Methods**
Contact department for information to register for this course.

ENST615 **Advanced Aternative Energy**

ENST615 Advanced Aternative Energy; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Credit will be granted for only one of the following: ENST305, ENST615, or MEES615.* Analysis of various renewable endergy technologies and their current applications. Emphasis iwll be placed on energy consumption, efficiency, the ease of transition to renewable alternatives, and net energy comparisons with fossil fuel alternatives. Qunatification of incident solar energy is covered in detail along with basic science and physics concepts underlining every conversion and carbon sequestration. Technologies include hydroelectric, wind and wave turbines, solar thermal conversion, photovoltaic, hydrogen, fuel cells, geothermal, biogas, and biofuel. In addition to attending lectures, students will be required to attend an additional class once a week to participate in and lead discussions from peer-reviewed journal articles on current research in alternative energies.

0101	Stephanie Lansing	Seats (Total: 10)
	MW 11:00am - 12:15pm	ANS 0422

ENST622 **Advanced Soil Biochemistry and Microbial Ecology**

ENST622 Advanced Soil Biochemistry and Microbial Ecology; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST200 or equivalent; or a course in microbiology or biochemistry. Credit will be granted for only one of the following: ENST422 or ENST622. Study of soil biochemical and microbial processes pertinent to nutrient cycling, environmental quality, and agriculture. Focus on microbial taxonomy, physiology, and ecology in colloidal environments and natural waters; with special emphasis on the current, multi-disciplinary literature of the field.

0101	Bruce James	Seats (Total: 15)
	TuTh 9:30am - 10:45am	HJP 1104

ENST689B **Special Topics; Sustainable Design in Haiti**

ENST689B Special Topics: Sustainable Design in Haiti; (1 credit) Grade Method: REG/AUD.

A discussion-based class on sustainable design in developing countries, with a specific concentration on designs that could be implemented in Haiti as part of their rebuilding efforts. Anaerobic digesters for wastewater for treatment will be a large component of the class, but additional topics such as agriculture, green building design, composting latrines, and renewable energy production will also be discussed through discussions, review of literature, and presentations by both the instructor and members of the class.

0101	Stephanie Lansing	Seats (Total: 15)	
	Tu 11:00am - 11:50am	ANS 1420	

ENST689R **Special Topics; Invasive Ecology**

ENST689R Special Topics: Invasive Ecology; (1-3 credits) Grade Method: REG/AUD.

Two Saturday field trips are scheduled. Prerequisite: One semsester of biology or permission of department. We will examine ecological, evolutionary, and anthropogenic processes facilitating or resisting biological invasions, and consider their environmental, economic, and human health impacts. We will consider various management strategies to mitigate invasions and identify areas of future research. Field trips and detailed discussion of recent findings and controversies in the literature will help illustrate fundamental concepts of invasions among various ecosystems.

0101	Paul Leisnham	Seats (Total: 10)	
	M 9:00am - 10:00am	ANS 0422	
	M 2:00pm - 6:00pm	ANS 0538	Lab

ENST789 **Advances in Research**

Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Paul Leisnham, Martin Rabenhorst	Seats (Total: 40)	
	W 4:00pm - 4:50pm	ANS 0408	

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Fall 2010

ENTM622 **Principles of Systematic Entomology**

ENTM622 Principles of Systematic Entomology; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTM 421. The principles of systematics including traditional classification methods, cladistics, and numerical taxonomy. Nomenclature, continental drift, and speciation theory. A laboratory problem in systematics is required.

0101	Charles Mitter	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM699K **Advanced Entomology; Biological Sciences Teaching and Learning in Higher Education**

ENTM699K *(PermReq)* **Advanced Entomology: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG/AUD.
Also offered as BIOL608K and CBMG699k.

0101	Gili Ad-Marbach	Seats (Total: 7)	
	W 12:00pm - 1:30pm	BPS 1208	

ENTM701 **Effective Teaching: TA Training**

ENTM701 *(PermReq)* **Effective Teaching: TA Training; (1 credit)** Grade Method: REG.

A survey and discussion of topics pertinent to graduate students who are first-time teaching assistants, including teaching responsibilities and policies, effective techniques of lecturing and leading discussions, composing and grading quizzes and exams, cultural diversity, time management, and development of a teaching portfolio. All teaching assistants in the College of Life Sciences must take a 701 TA training course in one of the departments.

0101	Bretton Kent	Seats (Total: 20)	
	Tu 6:00pm - 8:00pm	BPS 1208	

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 45)	
	F 12:00pm - 12:50pm	PLS 1130	
	F 1:00pm - 1:50pm	PLS 1130	Discussion

ENTM798A **Topic Seminar; Seminar in Systematics and Morphology**

ENTM798A Topic Seminar: Seminar in Systematics and Morphology; (1 credit) Grade Method: REG/AUD.

0101	Charles Mitter	Seats (Total: 15)
	Contact instructor or department for details.	

ENTM798V **Topic Seminar; Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology**

ENTM798V Topic Seminar: Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology; (1 credit) Grade Method: REG/AUD.

0101	Daniel Gruner	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Fall 2010

ENTS609 **Telecommunications Project**

ENTS609 *(PermReq)* **Telecommunications Project; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS622 **Introduction to Digital Communication Systems**

ENTS622 Introduction to Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Restricted to ENTS majors. All non-majors will need to obtain permission for the department. Credit will be granted for only one of the following: ENTS622 or ENTS689B. Formerly ENTS689B. The course objective is to convey the principles of analog and digital communication systems design. Students will analyze the performance and relative merits of different modulation and demodulation, signal processing, and error control schemes in communication systems. Also provides an understanding of the design of modern digital communication systems. Click here for more course information.

0101	Sheldon Wolk M 5:30pm - 8:15pm	Seats (Total: 20) EGR 3114

ENTS630 **The Economics of International Telecommunications**

ENTS630 The Economics of International Telecommunications; (3 credits) Grade Method: REG/AUD.
Economic analysis in telecommunications: the demand for services, the nature of production, competition, optimal pricing, and alternative regulatory options. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Jahangir Boroumand M 2:00pm - 4:45pm	Seats (Total: 40) VMH 1528
0201	Jahangir Boroumand M 5:30pm - 8:15pm	Seats (Total: 42) VMH 1520

ENTS635 **Decision Support Methods for Telecommunication Managers**

ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits) Grade Method: REG.
Prerequisite: MATH 241 and ENEE 324 or equivalent. The aim of this course is to introduce management science techniques for informed decision making. Topics covered will include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Bellur Srikar Th 6:30pm - 9:15pm	Seats (Total: 40) VMH 1303
0201	Robert Hoffman W 6:00pm - 8:45pm	Seats (Total: 40) VMH 1330

ENTS640 **Telecommunication Networks**

ENTS640 Telecommunication Networks; (3 credits) Grade Method: REG/AUD.
An overview of design issues and the important industry standards for digital communications networks.

0101	Mehdi Kalantari Khandani F 5:30pm - 8:15pm	Seats (Total: 40) SKN 0104

ENTS653 **PCS System Implementation**

ENTS653 PCS System Implementation; (3 credits) Grade Method: REG/AUD.
Restricted to ENTS majors. All non-majors will need to obtain permission of department. Credit will be granted for only one of the following: ENTS653 or ENTS689A. Formerly ENTS689A. Engineering issues associated with designing and deploying a PCS cellular wireless communications system in the current world environment will be examined. It will focus on implementation issues such as the impact of real world concerns on the deployment strategy and the use of good engineering paractice to overcome obstacles. Students will create and modify mock deployments using professional tools for cell planning and interference analysis. Students will also be exposed to drive testing tools and concepts for migration to future technologies(3G and beyond).

0101	Michael Dellomo Tu 5:30pm - 8:15pm	Seats (Total: 56) CSS 2324

ENTS657 **Satellite Communication Systems**

ENTS657 Satellite Communication Systems; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: ENTS657 or ENTS689S. Formerly ENTS689S. An examination of satellite telecommunication systems with an emphasis on the mobile satellite systems (MSS). Topics will include a historical perspective, orbital mechanics and constellations, choice of orbital parameters, propagations considerations, link budgets, interference issues and other obstacles, and existing and proposed mobile satellite systems. It will also look at some of the business aspects such as the cost of deploying and maintaining these systems.

0101	Michael Dellomo W 5:30pm - 8:15pm	Seats (Total: 45) EGR 1108

ENTS665 **Advanced Wireless Communications Networks**

ENTS665 Advanced Wireless Communications Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTS689A or ENTS656. Restricted to ENTS majors. All non-majors will need to obtain permission from the department. Credit will be granted for only one of the following: ENTS689E or ENTS665. Some of the key concepts and technologies used in the design of third generation (3G) wireless networks and standards are presented. It will start with a review of wireless CDMA concepts and terminolgies followed by a more detailed discussion of new concepts and methodologies adopted in the next generation systems of efficiently support multimedia high-speed data traffic. Some of the key concepts include link adaptation, scheduling, space-time and other diversity techniques as well as advanced channel and source coding. As many techniques and concepts are similar across different 3G standards, which will initially focus on details of channelization and protocol designs for one of 3G technologies, i.e. CDMA2000 family of standards. Based on this foundation, we will then present overviews of other standards, e.g. EDGE, WCDMA and TD-CDMA emphasizing on their similarities and differences with CDMA2000. In addition to air interface features the course also presents network elements and architectures and as well as engineering considerations for 3G radio network dimensioning.

0101	Kamran Etemad Th 5:30pm - 8:15pm	Seats (Total: 40) CSS 2428

ENTS689F **Special Topics; Fundamentals of Wireless LANs**

ENTS689F Special Topics: Fundamentals of Wireless LANs; (3 credits) Grade Method: REG.
Plea se click here for more course information

0101	Rikin Thakker F 5:30pm - 8:15pm	Seats (Total: 30) EGR 1108

ENTS689I **Special Topics; Network Immunity**

ENTS689I Special Topics: Network Immunity; (3 credits) Grade Method: REG.
Click here for more course information.

0101	Sophia Scoggins Tu 5:30pm - 8:15pm	Seats (Total: 30) EGR 3106

ENTS689K **Special Topics; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG.
Department permission required.

0101	Michael Dellomo Contact instructor or department for details.	Seats (Total: 3)

ENTS689N **Special Topics; Network Programming**

ENTS689N Special Topics: Network Programming; (3 credits) Grade Method: REG.
Click here for more course information.

0101	Masoud Hamedi M 5:30pm - 8:15pm	Seats (Total: 30) EGR 1104

ENTS689P **Special Topics; Project Management for Telecommunications**

ENTS689P Special Topics: Project Management for Telecommunications; (3 credits) Grade Method: REG.
Click here for more course information.

0101	Christopher White	Seats (Total: 30)
	W 5:30pm - 8:15pm	VMH 1415

ENTS699 **Independent Study in Telecommunications**
Contact department for information to register for this course.

EPIB Epidemiology and Biostatistics Fall 2010

EPIB300 **Biostatistics for Public Health Practice**

EPIB300 *(PermReq)* **Biostatistics for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: HLTH200 and permission of department. For EPIB majors only. Also offered as HLTH300. Credit will be granted for only one of the following: EPIB300 and HLTH300.

0101	Kerry Green	Seats (Total: 75)
	TuTh 2:00pm - 3:15pm	CSS 2324

EPIB301 **Epidemiology for Public Health Practice**

EPIB301 *(PermReq)* **Epidemiology for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
For EPIB majors only. Also offered as HLTH301. Credit will be granted for only one of the following: EPIB301 and HLTH301.

0101	Pamela Clark	Seats (Total: 35)
	TuTh 9:30am - 10:45am	CCC 1111

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Not open to students who have completed HLTH720. Credit will be granted for only one of the following: EPIB610 or HLTH720. Formerly HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Maria Khan	Seats (Total: 25)
	Th 4:00pm - 6:45pm	SPH 1303

EPIB621 **Infectious Disease Epidemiology**

EPIB621 Infectious Disease Epidemiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of the unique aspects of infectious diseases and the epidemiological methods used in their study, prevention, and control.

0101	Olugbenga Obasanjo	Seats (Total: 25)
	M 7:00pm - 9:45pm	SPH 0307

EPIB622 **Social Determinants of Health**

EPIB622 *(PermReq)* **Social Determinants of Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of the major social variables that affect public health, including socioeconomic status, poverty, income distribution, race, social networks/support, community cohesion, psychological stress, gender, and work and neighborhood environment.

0101	Sunmin Lee	Seats (Total: 20)
	Th 4:00pm - 6:45pm	SPH 0301

EPIB623 **Epidemiology of Health Disparities**

EPIB623 *(PermReq)* **Epidemiology of Health Disparities; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Determinants that influence health outcomes of the most disadvantaged populations in the United States. Focus on social factors contributing to health disparities and inequities in the US. Determinants that influence health outcomes of the most disadvantaged populations in the United States. Focus on social factors contributing to health disparities and inequities in the US.

0101	Olivia Carter-Pokras	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0307

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD.
Formerly: HLTH651 and HLTH688B. Not open to students who have completed HLTH651 or HLTH688B. Credit will be granted for only one of the following: EPIB650, HLTH651, or HLTH688B. Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Xin He	Seats (Total: 25)
	W 7:00pm - 9:45pm	SPH 0302

EPIB652 **Categorical Data Analysis**

EPIB652 *(PermReq)* **Categorical Data Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Methods for the analysis of categorical data as applied to public health research, including variables with two or more categories, analysis of data structures that are counted, ordered, censored, or subjecto to selection.

0101	Tongtong Wu	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	SPH 0302

EPIB655 **Longitudinal Data Analysis**

EPIB655 Longitudinal Data Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: EPIB650 and EPIB651.* Statistical models for drawing scientific inferences from longitudinal data, longitudinal study design, repeated measures and random effects to account for experimental designs that involve correlated responses, handling of missing data.

0101	Guangyu Zhang	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0305

EPIB785 **Internship in Public Health**

EPIB785 Internship in Public Health; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 *(PermReq)* **Critical Readings in Epidemiology and Biostatistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

EPIB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EXST Office of Extended Studies Fall 2010

EXST151 **So You Think You Want To Be a Lawyer?**

EXST151 *(PermReq)* **So You Think You Want To Be a Lawyer?; (No credit)** Grade Method: NGI.
Enrollment by permission only. This non-credit workshop provides students with LSAT preparation; law school essay and application preparation; tips on identifying the best references; a visit from a law school representative; and an introduction to first year (1L) law school curriculum. Click here for more information.

PC01	Gregory Yancey	Seats (Total: 0)
	W 6:30pm - 9:30pm	KEY 0116

FMSC Family Science Fall 2010

FMSC105 **Individuals in Families**

FMSC105 Individuals in Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: FMSC105 or FMST105. Formerly FMST105. Personal growth and development within the family context. Exploration of self-awareness, sex-role image, life transitions, and interpersonal and family relations.

0101	Katie Hrapczynski	Seats (Total: 50)
	MWF 10:00am - 10:50am	SPH 0308

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC260 or FMST260. Formerly FMST260. Couple relationships and their alternatives in contemporary dating, courtship and marriage.

0101	Elise Resnick	Seats (Total: 65)
	TuTh 2:00pm - 3:15pm	SPH 1303

FMSC289G **Global Child and Family Health: Getting There Via E-Communications**

FMSC289G Global Child and Family Health: Getting There Via E-Communications; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Jacqueline Wallen	Seats (Total: 65)
	MWF 2:00pm - 2:50pm	SPH 1301

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC290 or FMST290. Formerly FMST290. Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

0101	William Knight	Seats (Total: 65)
	TuTh 5:00pm - 6:15pm	SPH 1301

FMSC298F **Future of Families: Issues and Controversies**

FMSC298F Future of Families: Issues and Controversies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. Examinations of current trends and controversial issues in family life, including issues of marriage, reproductive technologies, adoption, child custody, remarriage, and marital violence.

FC01	Kimberly Van Putten-Garnder	Seats (Total: 50)
	MW 3:00pm - 4:15pm	HBK 0115
	Restricted to students in Freshmen Connection.	

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: introductory statistics course. For FMSC majors only. Credit will be granted for only one of the following: FMSC302 or FMST302. Formerly FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Patricia Fanflik	Seats (Total: 75)
	TuTh 9:30am - 10:45am	SPH 1303

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/AUD. *Junior standing. Credit will be granted for only one of the following: FMSC330 or FMST330. Formerly FMST330.* Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Robyn Zeiger TuTh 9:30am - 10:45am	Seats (Total: 60) CSI 1115
0201	Leigh Leslie TuTh 2:00pm - 3:15pm	Seats (Total: 60) SPH 1301
0301	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 49) SPH 0302

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: FMSC/FMST105 or PSYC100. Credit will be granted for only one of the following: FMSC332 or FMST332. Formerly FMST332.* A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Laura Evans TuTh 11:00am - 12:15pm	Seats (Total: 65) SPH 1301
0201	Amanda Berger MWF 12:00pm - 12:50pm	Seats (Total: 65) SPH 1301
0301	Barbara Singer MWF 1:00pm - 1:50pm	Seats (Total: 65) SPH 1301

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC341 or FMST341. Formerly FMST341.* Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	William Knight TuTh 6:30pm - 7:45pm	Seats (Total: 60) SPH 1301
0201	William Knight TuTh 11:00am - 12:15pm	Seats (Total: 49) SPH 0302

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Kevin Roy MWF 9:00am - 9:50am	Seats (Total: 60) SPH 1301
0201	Jocelyn Smith TuTh 3:30pm - 4:45pm	Seats (Total: 60) SPH 1301
SG91	Emily Mann TuTh 9:30am - 10:45am	Seats (Total: 35) BLD3 2219
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.	

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST330. Credit will be granted for only one of the following: FMSC383 or FMST383. Formerly FMST383. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Lisa Benson MWF 11:00am - 11:50am	Seats (Total: 65) SPH 1301

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit will be granted for only one of the following: FMSC431 or FMST431. Formerly FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger TuTh 12:30pm - 1:45pm	Seats (Total: 65) SPH 1303

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {SOCY100 or SOCY105}; and FMSC/FMST332 {or a comparable development course}. Credit will be granted for only one of the following: FMSC432 or FMST432. Formerly FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 10:00am - 10:50am	Seats (Total: 40) SPH 0302
0201	Jacqueline Wallen MWF 12:00pm - 12:50pm	Seats (Total: 40) SPH 0302

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC460 or FMST460. Formerly FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull MWF 9:00am - 9:50am	Seats (Total: 65) SPH 1303

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FMST383, plus an additional six FMSC/FMST credits and permission of department. For FMSC majors only. Credit will be granted for only one of the following: FMSC477, FMST347 or FMST477. Formerly FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

0101	Nicole Finkbeiner W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 50) SPH 1301

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC487 or FMST487. Formerly FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp TuTh 9:30am - 10:45am	Seats (Total: 55) SPH 1302
0201	Kerry Tripp TuTh 12:30pm - 1:45pm	Seats (Total: 55) SPH 1302

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498A **Special Topics: Family Science; Maternal, Child and Family Health**

FMSC498A Special Topics: Family Science: Maternal, Child and Family Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kranti Vora	Seats (Total: 45)
	MWF 2:00pm - 2:50pm	SPH 0302

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC600 **Family Theories**

FMSC600 Family Theories; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC600 or FMST600. Formerly FMST600. An overview of the theoretical frameworks underlying research on the family. Survey of research findings.

0101	Kevin Roy	Seats (Total: 15)
	Th 9:00am - 11:45am	Location: TBA

FMSC606 **Ethnic Families and Health Disparities**

FMSC606 Ethnic Families and Health Disparities; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC606 or FMST606. Formerly FMST606. Historical, psychosocial, economic, and political factors influencing the structure and functioning of ethnic families. Overview of racial and ethnic health disparities over the life course and ways in which they are influenced by multi-level contextual factors. For FMSC or MCHS majors only.

0101	Mia Smith-Bynum Tu 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC610 **Research Methods in Family Studies**

FMSC610 Research Methods in Family Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: FMST604. Credit will be granted for only one of the following: FMSC610 or FMST610. Formerly FMST610. Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

0101	Norman Epstein Th 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC640 **Family Therapy: Theory and Techniques**

FMSC640 *(PermReq)* **Family Therapy: Theory and Techniques; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC640 or FMST640. Formerly FMST640. Overview of fundamental theoretical concepts and clinical procedures in marital and family therapy, with an emphasis on those therapies which operate from a family systems perspective.

0101	Carol Werlinich M 10:00am - 12:45pm	Seats (Total: 11) Location: TBA

FMSC642 **Normal and Abnormal Individual and Family Development**

FMSC642 *(PermReq)* **Normal and Abnormal Individual and Family Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST640. Credit will be granted for only one of the following: FMSC642 or FMST642. Formerly FMST642. Normal development and psychopathology in the family system. Emphasis on parent-child relationships and application of the current Diagnostic and Statistical Manual of Mental Disorders (DSM) to family therapy.

0101	Lindsey Hoskins Th 9:00am - 11:45am	Seats (Total: 15) Location: TBA

FMSC650 **Ethical, Legal, and Professional Principles in Marriage and Family Therapy**

FMSC650 *(PermReq)* **Ethical, Legal, and Professional Principles in Marriage and Family Therapy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC650 or FMST650. Formerly FMST650. An introduction to the basic principles and practices of family therapy. Emphasis on basic therapy skills applied to a family context and on professional ethics of the family practitioner. Addresses therapist's legal responsibilities and liabilities, certification, and licensure issues.

0101	Norman Epstein Tu 9:00am - 11:45am	Seats (Total: 25) Location: TBA

FMSC652 **Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems**

FMSC652 Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: FMSC/FMST651. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC652 or FMST652. Formerly FMST652. Systematic assessment, diagnosis, and treatment of mental and emotional disorders in couples and families. Utilization and critique of the current Diagnostic Statistical Manual Disorders (DSM).

0101	Leigh Leslie Tu 9:00am - 11:45am	Seats (Total: 20) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy; (1-2 credits)** Grade Method: REG/AUD.
Prerequisite: FMST 650 and permission of instructor.

0101	Norman Epstein	Seats (Total: 10)
	W 9:00am - 12:00pm	Location: TBA

FMSC689 **Independent Study**

FMSC689 *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC710 **Foundations in Maternal and Child Health**

FMSC710 *(PermReq)* **Foundations in Maternal and Child Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: FMSC710 or FMST710. Formerly FMST710. Overview of key health issues for various maternal and child health populations, especially those within the US. Review of maternal and child health databases and major programs and public policies aimed at improving the health of mothers, children, adolescents, and their families.

0101	Edmond Shenassa Tu 10:00am - 12:45pm	Seats (Total: 10) Location: TBA

FMSC720 **Perinatal, Child and Adolescent Health**

FMSC720 *(PermReq)* **Perinatal, Child and Adolescent Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Examination of major problems and issues associated with the health status of women of reproductive age, infants, toddlers, children and adolescents. Analysis of biological, environmental, psychosocial, and cultural determinants of health or the target populations. Overview of prevention and intervention programs for children and youth.

0101	Edmond Shenassa Tu 2:00pm - 4:45pm	Seats (Total: 15) SPH 0308

FMSC750 **Family and Health Policy**

FMSC750 Family and Health Policy; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC750 or FMST750. Formerly FMST750. Development and analysis of public policies affecting the health and well being of children, youth, and families, with an emphasis on low income and ethnic minority populations. Examiniation of social, economic, and political dynamics that influence family and health policies and the delivery of health care. Introduction to health advocacy within the US public health system.

0101	Elaine Anderson Th 12:30pm - 3:15pm	Seats (Total: 15) Location: TBA

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC850 **Maternal & Child Health Epidemiology**

FMSC850 Maternal & Child Health Epidemiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: FMSC850, FMST698P, or FMST850. Formerly FMST850. Determinants and trends in Maternal and Child Health, including analysis of the role of economic inequalities, race and ethnicity, community contexts, and psychosocial factors across the life course. Overview of methods and data systems used to monitor Maternal and Child Health. Development of a complete population health study.

0101	Sandra Hofferth	Seats (Total: 15)
	M 2:00pm - 4:45pm	Location: TBA

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Fall 2010

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu W 9:00am - 10:30am Contact instructor or department for details.	Seats (Total: 5) JMZ 1123	
0201	Naime Yaramanoglu M 2:00pm - 3:30pm Contact instructor or department for details.	Seats (Total: 1) JMZ 1123	

FOLA139R **Directed Study of a Foreign Language II; Elementary Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Elementary Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138R or consent of program director.

0101	Naime Yaramanoglu M 8:00am - 9:40am Contact instructor or department for details.	Seats (Total: 3) JMZ 1211	Lab

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139R or FOLA 158R or consent of program director.

0101	Naime Yaramanoglu Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 3)	

FOLA149R **Directed Study of a Foreign Language IV; Intermediate Turkish**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Turkish; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148R or consent of program director.

0101	Naime Yaramanoglu Th 11:00am - 12:30pm Contact instructor or department for details.	Seats (Total: 2) BPS 1228	Lab

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Turkish I (Intensive)**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Turkish I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Urdu (Intensive)**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Urdu (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Students may register for FOLA 158X or 158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Tu 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Turkish; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 158X or 158P or 139P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Th 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN French Fall 2010

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed FREN101, FREN102, more than two years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN102 or FREN103.* Covers speaking, reading, writing, listening, and culture of French-speaking world.

0201	Mary Scullen MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2206
0301	Cecile Ruel MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 1120 JMZ 1117
0401	Eva Heppelmann MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2120 SYM 0209
0501	Kristen Gunderson MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0205

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103 or equivalent. Not open to students who have completed FREN201, four years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN201, FREN202 or FREN203. Formerly FREN202. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Julia Frengs MTuWF 9:00am - 9:50am	Seats (Total: 25) JMZ 0120
0201	Julia Frengs MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 2206 JMZ 0103
0301	Khady Diene MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3205 JMZ 1117
0401	Khady Diene MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203. Open to students who have completed 4 years (Level 4) of high school French. Not open to native/fluent speakers of French.
Intensive study of French grammar and composition.

0101	Phuong Hoang Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 25) JMZ 1224 JMZ 1224
0201	Erica Cefalo MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1215
0301	Erica Cefalo MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2117
0401	Phuong Hoang TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 2122

FREN211 **French Reading and Conversation**

FREN211 French Reading and Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN201 or FREN203. Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

0101	Carl Gomolka MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2120

FREN241 **Women Writers of French Expression in Translation**

FREN241 Women Writers of French Expression in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST241. Credit will be granted for only one of the following: FREN241 or WMST241. Works and ideas of 20th century women writers of French in Canada, Africa, the Caribbean and France. Taught in English.

0101	Dorothee Polanz TuTh 11:00am - 12:15pm	Seats (Total: 35) JMZ 0125

FREN250 **Introduction to French Literature**

FREN250 Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. Selected readings from various genres in French literature. Discussion and brief written reports in French. Also offered as FREN 250H.

0101	Elizabeth Schneider MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125
0201	Elizabeth Schneider MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN250H **Introduction to French Literature**

FREN250H Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. For general honors students only. Also offered as FREN 250.

0101	Elizabeth Schneider MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125
0201	Elizabeth Schneider MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native or fluent speakers of French. Prerequisite: FREN250 or equivalent. Grammatical analysis, elements of style; range of written genres.

0101	Raluca Romaniuc TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 2125
0201	Sarah Benharrech MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2123
0301	Elena Lozinsky TuTh 9:30am - 10:45am	Seats (Total: 20) WDS 1131

FREN302 **Translation: French to English**

FREN302 Translation: French to English; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. Practicum in translation primarily from French to English; contrastive analysis.

0101	Herve Campangne TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2123
0201	David Libber MWF 11:00am - 11:50am	Seats (Total: 20) HBK 1108

FREN312 **France Today**

FREN312 France Today; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of French. Prerequisite: FREN301 or equivalent. Analysis and discussion of current events and institutions using various French media resources.

0101	Pierre Verdaguer	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 2122

FREN351 **From Romanticism to the Age of Modernism and Beyond**

FREN351 From Romanticism to the Age of Modernism and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present. Also offered as FREN 351H.

0101	Cybele Arnaud	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 1122

FREN351H **From Romanticism to the Age of Modernism and Beyond**

FREN351H From Romanticism to the Age of Modernism and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent.

0101	Cybele Arnaud	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 1122

FREN386 **Experiential Learning**

FREN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French; tba**
Contact department for information to register for this course.

FREN407 **History of the French Language**

FREN407 History of the French Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN351 or FREN352 or equivalent. Evolution of the French language from Latin to modern French. Conducted in French.

0101	Mary Scullen	Seats (Total: 10)
	Tu 3:30pm - 6:00pm	JMZ 3120

FREN471 **The Construction of French Identity I: From the Origins to the Age of Versailles**

FREN471 The Construction of French Identity I: From the Origins to the Age of Versailles; (3 credits) Grade Method: REG/P-F/AUD.
French life, customs, culture, traditions (800-1750).

0101	Herve Campangne	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 3120

FREN495 **Honors Thesis Research**

FREN495 Honors Thesis Research; (3 credits) Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Open only to students admitted to the departmental honors program.

Contact department for information to register for this course.

FREN498V **Special Topics in French Literature; Contemporary French Literature**

FREN498V Special Topics in French Literature: Contemporary French Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Pierre Verdaguer TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2120

FREN601 **The History of the French Language**

FREN601 The History of the French Language; (3 credits) Grade Method: REG/AUD.

0101	Mary Scullen Tu 3:30pm - 6:00pm	Seats (Total: 10) JMZ 3120

FREN629A **Special Topic in Sixteenth Century French Literature; 16th Century Literature and Culture**

FREN629A Special Topic in Sixteenth Century French Literature: 16th Century Literature and Culture; (3 credits) Grade Method: REG/AUD.

0101	Andrea Frisch M 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2122

FREN649A **Special Topic in Eighteenth Century French Literature; 18th Century Literature and Culture**

FREN649A Special Topic in Eighteenth Century French Literature: 18th Century Literature and Culture; (3 credits) Grade Method: REG/AUD.

0101	Sarah Benharrech W 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2123

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Fall 2010

GEMS100 **Freshman Honors Colloquium: Introduction to Gemstone**

GEMS100 Freshman Honors Colloquium: Introduction to Gemstone; (1 credit)
Grade Method: REG.
Restricted to first time freshman admitted to the Gemstone Program. Orienting new Gemstone students to the university and to the program through a variety of team building activities, resources, and skill exploration exercises. Students will also examine and discuss areas such as liberal education, diversity, service, arts, current events, academic integrity, and leadership style. These classes are scheduled in the Ellicott building.

0101	Caitlin White M 9:30am - 11:00am	Seats (Total: 10) ELL 0100A
0201	Caitlin White M 10:00am - 11:30am	Seats (Total: 10) ELL 0100B
0301	Caitlin White M 1:30pm - 3:00pm	Seats (Total: 10) ELL 0100A
0401	Caitlin White M 2:00pm - 3:30pm	Seats (Total: 10) ELL 0100B
0501	Caitlin White M 3:00pm - 4:30pm	Seats (Total: 11) ELL 0100C
0601	Caitlin White Tu 9:00am - 10:30am	Seats (Total: 10) ELL 0100A
0701	Caitlin White Tu 11:00am - 12:30pm	Seats (Total: 11) ELL 0100C
0801	Caitlin White Tu 3:30pm - 5:00pm	Seats (Total: 10) ELL 0100A
0901	Caitlin White Tu 4:00pm - 5:30pm	Seats (Total: 10) ELL 0100B
1001	Caitlin White W 9:00am - 10:30am	Seats (Total: 10) ELL 0100A
1101	Caitlin White W 1:00pm - 2:30pm	Seats (Total: 10) ELL 0100A

1201	Caitlin White W 1:30pm - 3:00pm	Seats (Total: 10) ELL 0100B
1301	Caitlin White W 2:30pm - 4:00pm	Seats (Total: 10) ELL 0100C
1401	Caitlin White Th 10:00am - 11:30am	Seats (Total: 11) ELL 0100A
1501	Caitlin White Th 11:00am - 12:30pm	Seats (Total: 11) ELL 0100B
1601	Caitlin White Th 1:00pm - 2:30pm	Seats (Total: 10) ELL 0100A
1701	Caitlin White F 11:30am - 1:00pm	Seats (Total: 10) ELL 0100A
1801	Caitlin White F 2:00pm - 3:30pm	Seats (Total: 10) ELL 0100B

GEMS202 **Team Dynamics and Research Methodology**

GEMS202 Team Dynamics and Research Methodology; (2 credits) Grade Method: REG.

Prerequisite: GEMS100, GEM 102 and GEM 104. Corequisite: GEM 296 Restricted to Gemstone students only. Sophomore standing. This experiential course is designed to foster an understanding of effective team dynamics and basic research methodology. It will teach skills applicable to Gemstone team research and the writing of a team thesis. Upperclass Gemstone students serve as discussion facilitators. Students participate in their Gemstone teams and develop a draft of their team thesis proposal.

0101	Rebecca Thomas Th 3:20pm - 5:00pm	Seats (Total: 171) JMZ 0220

GEMS208A **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: First Time Section Leader**

GEMS208A Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: First Time Section Leader; (1-3 credits) Grade Method: REG.

0101	Rebecca Thomas Contact instructor or department for details.	Seats (Total: 12)

GEMS208B **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: Returner Section Leader**

GEMS208B Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: Returner Section Leader; (1-3 credits) Grade Method: REG.

0101	Rebecca Thomas Contact instructor or department for details.	Seats (Total: 12)

GEMS208C **Special Topics in Leadership and Team Development; Introduction to Gemstone: First Time Section Leader**

GEMS208C Special Topics in Leadership and Team Development: Introduction to Gemstone: First Time Section Leader; (1-3 credits) Grade Method: REG/AUD. These classes are scheduled in the Ellicott building.

0101	Caitlin White M 11:00am - 11:50am	Seats (Total: 14) Location: TBA
0102	Caitlin White Tu 2:00pm - 2:50pm	Seats (Total: 14) Location: TBA
0103	Caitlin White Tu 10:00am - 10:50am	Seats (Total: 14) Location: TBA
0104	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS208D **Special Topics in Leadership and Team Development; Introduction to Gemstone: Returner Section Leader**

GEMS208D Special Topics in Leadership and Team Development: Introduction to Gemstone: Returner Section Leader; (1-3 credits) Grade Method: REG/AUD. These classes are scheduled in the Ellicott building.

0101	Caitlin White M 11:00am - 11:50am	Seats (Total: 14) Location: TBA
0102	Caitlin White Tu 2:00pm - 2:50pm	Seats (Total: 14) Location: TBA
0103	Caitlin White Tu 10:00am - 10:50am	Seats (Total: 14) Location: TBA
0104	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS296 **Team Project Seminar I**

GEMS296 Team Project Seminar I; (1 credit) Grade Method: REG. *Prerequisite: GEMS100, GEMS102 and GEMS104. Corequisite: GEMS202. For Gemstone students with sophomore standing in a research team.* This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.

0101	Jeffrey Herrmann Tu 4:30pm - 5:30pm	Seats (Total: 14) EGR 3111
0102	Jose Aranda-Espinoza M 3:00pm - 4:00pm Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1120 JMZ 1120
0103	Nam Sun Wang Th 5:00pm - 6:50pm	Seats (Total: 14) JMZ 0125
0104	Bruce Jacob, Nadine Sahyoun Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1124
0105	Stephanie Grutzmacher Th 5:00pm - 6:00pm M 8:00pm - 9:00pm	Seats (Total: 14) JMZ 2120 ANA 0120
0106	Ioannis Bossis Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 2117

0201	Chunsheng Wang M 6:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0202	Steven Turley M 6:00pm - 7:00pm	Seats (Total: 14) ELL 0100C
0203	Kislaya Prasad, Ritu Agarwal Th 5:15pm - 6:30pm	Seats (Total: 14) Location: TBA
0204	Michael Zachariah Th 5:10pm - 6:10pm	Seats (Total: 14) Location: TBA
0205	Brian Bequette M 6:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0206	Charles Carr Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1215
0207	David Tilley Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 0103
0209	Angela Dawson Contact instructor or department for details.	Seats (Total: 5)

GEMS396 **Team Project Seminar III**

GEMS396 Team Project Seminar III; (2 credits) Grade Method: REG. *Prerequisite: GEMS297. For Gemstone students with junior standing in a research team.* This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.

0101	Adam Hsieh Th 8:00am - 9:00am Su 9:00pm - 10:00pm	Seats (Total: 14) ELL 0100D Location: TBA
0102	Katerina Thompson W 8:00am - 9:00am Th 8:00pm - 9:00pm	Seats (Total: 14) JMZ 1226 JMZ 1226

0103	Gary Felton M 5:00pm - 6:00pm W 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA
0104	Alexander Chen TuTh 3:45pm - 4:45pm	Seats (Total: 14) ARC 1119
0105	Andrea Ottesen W 5:00pm - 7:00pm	Seats (Total: 14) ANA 0100
0106	John Aloimonos Tu 10:00pm - 11:00pm Th 8:00am - 9:00am	Seats (Total: 14) Location: TBA Location: TBA
0201	James Purtilo M 3:30pm - 4:30pm Su 8:00pm - 9:00pm	Seats (Total: 14) Location: TBA Location: TBA
0202	Sameer Shah Tu 8:00am - 9:00am M 10:00pm - 11:00pm	Seats (Total: 14) Location: TBA Location: TBA
0203	Jae Kun Shim Tu 8:20am - 9:20am Su 3:00pm - 4:00pm	Seats (Total: 14) Location: TBA Location: TBA
0204	Raymond Adomaitis Tu 6:00pm - 7:00pm W 4:00pm - 5:00pm	Seats (Total: 14) Location: TBA Location: TBA
0205	Ramalingam Chellappa F 11:00am - 11:50am Tu 10:00pm - 11:00pm	Seats (Total: 14) Location: TBA Location: TBA
0206	Angela Dawson Contact instructor or department for details.	Seats (Total: 6)

GEMS496 Project Writing Seminar

GEMS496 Project Writing Seminar; (2 credits) Grade Method: REG. *Prerequisite: GEMS397. For Gemstone participants only.* This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.

0101	Kevin Sellner W 6:00pm - 8:00pm	Seats (Total: 14) JMZ 2117
0102	Charles Carr M 8:00am - 9:00am W 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1103 SQH 1123
0103	Michael Dougherty F 9:00am - 9:50am W 8:00pm - 8:50pm	Seats (Total: 14) BPS 0140 Location: TBA
0104	Charles Wellford Tu 6:30pm - 7:30pm Th 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA JMZ 0120
0105	Frederick Mowrer Tu 6:30pm - 7:30pm Tu 7:30pm - 8:30pm	Seats (Total: 14) Location: TBA Location: TBA
0106	Jason Kahn W 6:15pm - 7:15pm Th 8:00pm - 9:00pm	Seats (Total: 14) Location: TBA Location: TBA
0201	Joseph Sullivan W 5:00pm - 6:00pm W 6:00pm - 7:00pm	Seats (Total: 14) PLS 1158 PLS 1158
0202	Liangli Yu W 6:30pm - 7:30pm F 10:00am - 11:00am	Seats (Total: 14) Location: TBA Location: TBA
0203	Thomas Mierzwa F 12:00pm - 2:00pm	Seats (Total: 14) Location: TBA

0204	John Fisher W 9:00am - 10:00am W 5:00pm - 6:00pm	Seats (Total: 14) CHE 2116 WDS 0104	
0205	Arnett Gaston W 5:00pm - 7:00pm	Seats (Total: 14) EGR 1102	
0206	James Duncan W 4:30pm - 6:30pm	Seats (Total: 14) Location: TBA	

GEOG Geographical Sciences Fall 2010

GEOG100 **Introduction to Geography**

GEOG100 Introduction to Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the broad field of geography as it is applicable to the general education student. The course presents the basic rationale of variations in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.

0101	Ronald Luna TuTh 9:30am - 10:20am Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 LEF 1221	 Discussion
0102	Ronald Luna TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HBK 1112	 Discussion
0103	Ronald Luna TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1221	 Discussion
0104	Ronald Luna TuTh 9:30am - 10:20am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1201	 Discussion
0105	Ronald Luna TuTh 9:30am - 10:20am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1221	 Discussion

0106	Ronald Luna TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0107	Ronald Luna TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 JMZ 1122	Discussion
0108	Ronald Luna TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 EGR 3102	Discussion
0109	Ronald Luna TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0201	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 LEF 1220	Discussion
0202	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0203	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0204	Ronald Luna MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0205	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) LEF 2205 ARM 0101	Discussion
0206	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion

0207	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 0102	Discussion
0208	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 JMZ 1224	Discussion
0209	Ronald Luna MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 JMZ 1224	Discussion

GEOG100S **Introduction to Geography**

GEOG100S Introduction to Geography; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.
Restricted to College Park Scholars - Environmental Studies.

0201	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 3) LEF 2205 LEF 1220	Discussion
0205	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 5) LEF 2205 ARM 0101	Discussion

GEOG110 **The World Today: A Regional Geography**

GEOG110 The World Today: A Regional Geography; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the functioning world today and the regions and major countries that are part of the whole. Organized around the framework of modern and traditional lifestyles with the aim of providing understanding of the world and its regions for the general education student.

0101	Derrick Scott TuTh 3:00pm - 4:15pm	Seats (Total: 50) LEF 2166	

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

FC01	Ronald Luna MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 49) PLS 1130	

GEOG140 **Coastal Environments**

GEOG140 Coastal Environments; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Introduction to coastal environments, with emphasis on U.S. East Coast. Physical and ecological systems, beach processes, waves, currents, human impacts, coastal zone management and shoreline engineering. Case studies of coastal areas, including Ocean City, Maryland.

0101	Michael Kearney MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1222	 Discussion
0102	Michael Kearney MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 COL 0100	 Discussion
0103	Michael Kearney MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1222	 Discussion
0104	Michael Kearney MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	 Discussion
0105	Michael Kearney MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 MTH 0303	 Discussion

0106	Michael Kearney MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 ARM 0103	Discussion
0107	Michael Kearney MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 JMZ 2206	Discussion
0108	Michael Kearney MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0109	Michael Kearney MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) LEF 2205 EDU 0206	Discussion
0110	Michael Kearney MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) LEF 2205 EDU 1315	Discussion

GEOG201 **Geography of Environmental Systems**

GEOG201 Geography of Environmental Systems; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 211. A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

0101	Ralph Dubayah TuTh 12:30pm - 1:45pm	Seats (Total: 200) LEF 2205	

GEOG211 **Geography of Environmental Systems Laboratory**

GEOG211 Geography of Environmental Systems Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 201. Pre- or corequisite: GEOG201 or GEOL100 or GEOL120. A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis. This is a 2 hr, 1 credit lab which parallels GEOG 201; Required for GEOG majors; optional for non-majors. Students must pay a $40.00 laboratory materials fee.

0101	Ralph Dubayah M 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab
0201	Ralph Dubayah W 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	 Lab
0301	Ralph Dubayah M 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	 Lab
0401	Ralph Dubayah Tu 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab
0501	Ralph Dubayah W 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab
0601	Ralph Dubayah M 9:00am - 11:00am	Seats (Total: 25) LEF 1138	 Lab
0701	Ralph Dubayah M 11:00am - 1:00pm	Seats (Total: 25) LEF 1138	 Lab
0801	Ralph Dubayah Tu 9:00am - 11:00am	Seats (Total: 25) LEF 1138	 Lab

GEOG212 Introduction to Human Geography Laboratory

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)**
Grade Method: REG/P-F/AUD.
Pre- or corequisite: GEOG202. For GEOG majors only. Introduction to the basic methods and techniques employed in human geography.

0101	Rachel Berndtson Tu 9:30am - 11:30am	Seats (Total: 20) LEF 1171	Lab
0201	Jacqueline Waite Tu 9:30am - 11:30am	Seats (Total: 30) LEF 1124	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG398Q. Credit will be granted for only one of the following: GEOG398Q or GEOG306. Formerly GEOG398Q. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. Students must pay a $40 laboratory materials fee.

0101	In-Young Yeo TuTh 12:30pm - 1:20pm F 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1136	Lab
0102	In-Young Yeo TuTh 12:30pm - 1:20pm F 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1136	Lab

GEOG310 **Maryland and Adjacent Areas**

GEOG310 Maryland and Adjacent Areas; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG310 or GEOG321. Formerly GEOG321. The physical environment, natural resources, and population in relation to agriculture, industry, transport, and trade in the State of Maryland and adjacent areas.

0101	Allen Eney MWF 9:00am - 9:50am	Seats (Total: 60) LEF 2166

GEOG312 **The United States and Canada**

GEOG312 The United States and Canada; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG312 or GEOG320. Formerly GEOG320. The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

0101	Allen Eney MWF 10:00am - 10:50am	Seats (Total: 60) LEF 2166

GEOG330 **Cultural Geography**

GEOG330 Cultural Geography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG201, GEOG202, ANTH220, or ANTH260; or permission of department. Credit will be granted for only one of the following: GEOG330, GEOG360, or GEOG362. Formerly GEOG362. Impact of humans through ideas and technology on the evolution of geographic landscapes. Major themes in the relationships between cultures and environments.

0101	Patricia Kewer MWF 12:00pm - 12:50pm	Seats (Total: 60) LEF 2166

GEOG331 **Introduction to Human Dimensions of Global Change**

GEOG331 Introduction to Human Dimensions of Global Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOG201, GEOG202, ANTH220, or ANTH260; or permission of department. Credit will be granted for only one of the following: GEOG331 or GEOG361. Formerly GEOG361. Introduction to global-scale interrelationship between human beings and the environment. The development of global issues including but not limited to the environment, food, energy, technology, population, and policy.

0101	Allen Eney MWF 1:00pm - 1:50pm	Seats (Total: 40) LEF 2166

GEOG334 **The American City: Past and Present**

GEOG334 The American City: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG334 or GEOG350. Formerly GEOG350. Development of the American city from the early 19th century to the present. The internal structure of contemporary metropolitan areas, the spatial arrangement of residential, commercial, and other activities. Washington, D.C. and Baltimore examples.

0101	Mila Zlatic MW 12:00pm - 1:15pm	Seats (Total: 40) TYD 1132

GEOG340 **Geomorphology**

GEOG340 Geomorphology; (3 credits) Grade Method: REG/P-F/AUD.
Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Michael Kearney MW 4:00pm - 5:15pm	Seats (Total: 60) LEF 2205

GEOG345 **Introduction to Climatology**

GEOG345 Introduction to Climatology; (3 credits) Grade Method: REG/P-F/AUD.
The geographic aspects of climate with emphasis on energy-moisture budgets, steady-state and non steady-state climatology, and climatic variations at both macro- and micro-scales.

0101	Tatiana Loboda TuTh 11:00am - 12:15pm	Seats (Total: 60) LEF 2166

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. Students must pay a $40.00 laboratory materials fee.

0101	Naijun Zhou Tu 9:00am - 11:00am W 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Naijun Zhou Tu 9:00am - 11:00am W 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0103	Naijun Zhou Tu 9:00am - 11:00am Th 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.
Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney Contact instructor or department for details.	Seats (Total: 10)

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. For GEOG majors only. Formerly GEOG397. First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOG396. Senior standing. For GEOG majors only. Formerly GEOG399. Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG431 **Culture and Natural Resource Management**

GEOG431 Culture and Natural Resource Management; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG421 or GEOG431. Formerly GEOG421. Basic issues concerning the natural history of humans from the perspective of the geographer. Basic components of selected behavioral and natural systems, their evolution and adaptation, and survival strategies.

0101	Martha Geores	Seats (Total: 40)
	Tu 12:30pm - 3:00pm	LEF 2166

GEOG437 **Political Geography**

GEOG437 Political Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG423 or GEOG437. Formerly GEOG423. Geographical factors in the national power and international relations; an analysis of the role of geopolitics and geostrategy, with special reference to the current world scene.

0101	Mila Zlatic	Seats (Total: 40)
	MW 3:30pm - 4:45pm	LEF 2166

GEOG442 **Biogeography and Environmental Change**

GEOG442 Biogeography and Environmental Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG342 or equivalent. Recommended: GEOG123. Credit will be granted for only one of the following: GEOG442, GEOG447, or GEOG484. Formerly GEOG447. Biogeographical topics of global significance, including a consideration of measurement techniques, and both descriptive and mechanistic modeling. Topics may include: scale in biogeography, climate and vegetation, global carbon cycle, biodiversity, interannual variability in the biosphere, land cover, global biospheric responses to climate change, NASA's Mission to Planet Earth and Earth Observation System.

0101	Stephen Prince	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	LEF 2208

GEOG456 **The Social Geography of Metropolitan Areas in Global Perspective**

GEOG456 The Social Geography of Metropolitan Areas in Global Perspective; (3 credits) Grade Method: REG/P-F/AUD.
A socio-spatial approach to human interaction within the urban environments: ways people perceive, define, behave in, and structure world cities and metropolitan areas. Cultural and social differences define spatial patterns of social activities which further define distinctions in distribution and interaction of people and their social institutions.

0101	Mila Zlatic MW 2:00pm - 3:15pm	Seats (Total: 40) LEF 2166	

GEOG472 **Remote Sensing: Digital Processing and Analysis**

GEOG472 Remote Sensing: Digital Processing and Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, GEOG372 or equivalent. Credit will be granted for only one of the following: GEOG472 or GEOG480. Formerly GEOG480. Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed. Students must pay a $40.00 laboratory materials fee.

0101	Hasan Jackson, Samuel Goward Th 12:30pm - 2:30pm F 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Hasan Jackson, Samuel Goward Th 12:30pm - 2:30pm F 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG473 **Geographic Information Systems and Spatial Analysis**
Contact department for information to register for this course.

GEOG476 **Programming for Geographers**

GEOG476 Programming for Geographers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, GEOG373 or equivalent. Credit will be granted for only one of the following: GEOG498G or GEOG476. Formerly GEOG498G. An introduction to programming for geography. Introduces the concepts of computer programming as applied to Geography. Implementation language is Visual Basic. This course has a $40.00 lab fee.

0101	Kuan Song Tu 2:00pm - 4:00pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1136	 Lab
0102	Kuan Song Tu 2:00pm - 4:00pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1136	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG603 **Masters Research Tutorial**

GEOG603 Masters Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 603 or GEOG 610. Formerly GEOG610. Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

GEOG604 PhD Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 604, GEOG 610D, or GEOG 611. Formerly GEOG611.* Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**

Contact department for information to register for this course.

GEOG615 **Land Cover and Land Use Change**

GEOG615 Land Cover and Land Use Change; (3 credits) Grade Method: REG/AUD.

Prerequisite: GEOG435, GEOG442, GEOG472, or GEOG473; or permission of department. This class provides an examination of land cover and land use change science, addressing the causes, impacts and projection of change. Key concepts of land use science are presented and recent research papers and case studies are reviewed. Class consists of lectures, invited presentations and individual student projects and presentations.

0101	Evan Ellicott	Seats (Total: 20)
	W 3:30pm - 6:00pm	LEF 1124

GEOG636 **Qualitative Methods in Geography**

GEOG636 Qualitative Methods in Geography; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. Formerly GEOG648C. Use of qualitative methods for qualitative geographic research. Design procedures and analysis of qualitative studies are the focus of the course. Includes readings and trying out various methods. Students will be able to present their own research and use it as an example throughout the course.

0101	Martha Geores	Seats (Total: 20)
	W 1:00pm - 3:30pm	LEF 1124

GEOG642 **Ecosystem Processes and Human Habitability**

GEOG642 Ecosystem Processes and Human Habitability; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG442 or permission of department. Formerly GEOG788C.
Biological and biogeographical processes relevant to the capability of the earth's biota to support the demands of its human populations.

0101	Stephen Prince	Seats (Total: 20)
	M 4:30pm - 7:00pm	LEF 1171

GEOG673 **GIS Modeling**
Contact department for information to register for this course.

GEOG674 **GIS Spatial Databases**

GEOG674 GIS Spatial Databases; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG473 or equivalent. Credit will be granted for only one of the following: GEOG674 or GEOG696. Formerly GEOG696. Introduces fundamental concepts and practical skills required to design, implement and use GIS databases. Students will learn to store and represent geospatial data in databases, design and create a spatial database, manage and query geospatial data, and deliver and present geospatial data.

1008	Naijun Zhou	Seats (Total: 20)
	W 1:00pm - 3:30pm	LEF 1171

GEOG738B **Seminar in Human Geography; Poverty, Development, and Global Change**

GEOG738B Seminar in Human Geography: Poverty, Development, and Global Change; (3 credits) Grade Method: REG/AUD.

0101	Julie Silva	Seats (Total: 20)
	Tu 4:00pm - 6:30pm	LEF 1220

GEOG778A **Seminar in Remote Sensing; Physical Principles of Land Remotes**

GEOG778A Seminar in Remote Sensing: Physical Principles of Land Remotes; (3 credits) Grade Method: REG/AUD.

0101	Shunlin Liang Th 12:30pm - 3:00pm	Seats (Total: 18) LEF 1171

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788R **Selected Topics in Geography; Web Programming**
Contact department for information to register for this course.

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG793 **Professional Project I**
Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Departmental Seminar**

GEOG798 *(PermReq)* **Selected Topics in Geography: Seminar Series: Departmental Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Ralph Dubayah Th 3:30pm - 5:00pm	Seats (Total: 50) LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Fall 2010

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. Credit will be granted for only one of the following: GEOL100 or GEOL120.* A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 89) JMP 3201
0102	Laurent Montesi TuTh 3:30pm - 4:45pm	Seats (Total: 99) EGR 1202

0103	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 5) JMP 3201

GEOL100S **Physical Geology**

GEOL100S Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. Credit will be granted for only one of the following: GEOL100 or GEOL120.* Restricted to College Park Scholars - Science and Global Change.

0103	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 1) JMP 3201

GEOL104 **Dinosaurs: A Natural History**

GEOL104 Dinosaurs: A Natural History; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Dinosaurs, their evolution, and our understanding of their fossil record. Students will examine the geologic record and the tools used by paleontologists to determine: geologic ages and ancient environments; evolutionary history and extinctions; dinosarian biology and behavior; and their survival as birds. Mechanisms of global change ranging from plate tectonics to asteroid impact will be discussed.

0101	Thomas Holtz MWF 10:00am - 10:50am	Seats (Total: 60) PLS 1130
FC01	Thomas Holtz MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 55) PLS 1130

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Pre- or corequisite: GEOL100 or GEOL120.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 laboratory materials fee.

0101	Gregory Archer, Laurent Montesi Th 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0102	Laurent Montesi, Yu Huang M 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0103	Laurent Montesi, Ryan Kerrigan Tu 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0104	Gregory Archer, Laurent Montesi Tu 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0106	Brittany Jenner, Laurent Montesi W 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0107	Laurent Montesi, Lisa Walsh W 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0109	Brittany Jenner, Laurent Montesi Tu 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab

GEOL110S **Physical Geology Laboratory**

GEOL110S Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Pre- or corequisite: GEOL100 or GEOL120.* Restricted to College Park Scholars - Science and Global Change. Students must pay a $50.00 laboratory materials fee.

0103	Laurent Montesi, Ryan Kerrigan Tu 12:00pm - 3:00pm	Seats (Total: 0) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit will be granted for only one of the following: GEOL100 or GEOL120. A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Tracey Centorbi TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0102	Tracey Centorbi TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0103	Tracey Centorbi TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0104	Tracey Centorbi TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0105	Tracey Centorbi TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0106	Tracey Centorbi TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
FC01	Tracey Centorbi TuTh 3:00pm - 4:15pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 15) HBK 0115 PLS 1172	Discussion

FC02	Tracey Centorbi TuTh 3:00pm - 4:15pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 15) HBK 0115 HBK 0115	Discussion

GEOL124 **Biogenesis: Making a Habitable Planet**

GEOL124 Biogenesis: Making a Habitable Planet; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
An exploration of how life has shaped Earth's physical environments, both in the contemporary Earth and over the long course of Earth history. Topics range from evidence for the origin and diversification of life and its impact on Earth environments to the mind-set and methods of the scientists who interpret it, and what those methods tell us about future interactions between life and the environment, both on Earth and in the Solar System.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	James Farquhar TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0102	James Farquhar TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0103	James Farquhar TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0104	James Farquhar TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0105	James Farquhar TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion

GEOL212 **Planetary Geology**

GEOL212 Planetary Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
An examination of the geologic and geochemical processes at work in the solar system from the perspectives supplied by space age exploration of the planets and other solar system bodies.

0101	John Merck	Seats (Total: 24)	
	MWF 2:00pm - 2:50pm	PLS 1115	

GEOL288C **Field Studies I; The Geology, Hydrology, and Ecology of Canyonlands National Park**
Contact department for information to register for this course.

GEOL329 **Instructional Assistance Practicum**
Contact department for information to register for this course.

GEOL331 **Principles of Paleontology**

GEOL331 Principles of Paleontology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: GEOL100 or GEOL120, GEOL110, and GEOL102; or permission of department. In addition, non-degree-seeking students require the permission of the instructor.* A review of the theory, principles, and applications of Paleontology. A systematic overview of the morphology, evolution, and relationships of the major fossil-producing taxa.

0101	John Merck, Thomas Holtz	Seats (Total: 16)	
	MWF 1:00pm - 1:50pm	PLS 1162	
	F 2:00pm - 5:00pm	GEO 2107	Lab

GEOL341 **Structural Geology**

GEOL341 Structural Geology; (4 credits) Grade Method: REG.
Prerequisite: GEOL100 or GEOL120, GEOL110, and GEOL102; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Study of the deformation of Earth's lithosphere, especially stress, rheology, strain, and the origin and significance of structural features. Development of 3-dimensional thinking through drafting and drawing of structures, construction of geologic maps and cross-sections, and stereographic and orthographic representation of structures. Improvement of scientific writing. Two weekend field trips.

0101	Aaron Martin	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1172	
	M 10:00am - 1:00pm	GEO 2107	Lab

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GEOL393 **Technical Writing for Geoscientists**

GEOL393 Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of junior standing; MATH141, CHEM131 or CHEM135, CHEM132 or CHEM136, PHYS141, and at least two upper level geology courses with a third concurrent. In addition, non-degree-seeking students require the permission of the instructor. Planning, writing and presenting a plan for research in the geosciences.

0101	Philip Candela	Seats (Total: 10)
	W 4:00pm - 6:00pm	PLS 1111
	Contact instructor or department for details.	

GEOL393H **Technical Writing for Geoscientists**

GEOL393H Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of junior standing; MATH141, CHEM131 or CHEM135, CHEM132 or CHEM136, PHYS141, and at least two upper level geology courses with a third concurrent. In addition, non-degree-seeking students require the permission of the instructor. For honors students only.

0101	Philip Candela	Seats (Total: 5)
	W 4:00pm - 6:00pm Contact instructor or department for details.	PLS 1111

GEOL394 **Research Problems in Geology**

GEOL394 Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. In addition, non-degree-seeking students require the permission of the department. Investigation of a specific laboratory, library or field problem. Written and oral presentation of the study.

Contact department for information to register for this course.

GEOL394H **Research Problems in Geology**

GEOL394H Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. In addition, non-degree-seeking students require the permission of the department. For general honors students only.

Contact department for information to register for this course.

GEOL423 **Optical Mineralogy**

GEOL423 Optical Mineralogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110, GEOL322, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. In addition, non-degree-seeking students require the permission of the instructor. The optical behavior of crystals with emphasis on the theory and application of the petrographic microscope.

0101	Sarah Penniston-Dorland	Seats (Total: 14)	
	MW 9:00am - 9:50am	PLS 1172	
	W 10:00am - 1:00pm	GEO 2117	Lab

GEOL444 **Low Temperature Geochemistry**

GEOL444 *(PermReq)* **Low Temperature Geochemistry; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH115; GEOL100; GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132}, or {CHEM135 and CHEM136}. In addition, non-degree-seeking students require the permission of the instructor. Basic chemical principles, thermodynamics, and kinetics of low-temperature inorganic and organic geochemical reactions in a wide range of surface environments. These geochemical tools will be used to provide a context for understanding elemental cycling and climate change. Laboratories will include problem sets as well as wet chemical and mass spectrometric techniques used in low temperature geochemistry.

0101	Alan Kaufman	Seats (Total: 8)	
	TuTh 8:00am - 9:15am	PLS 1158	
	M 2:00pm - 5:00pm	CHM 1330	Lab

GEOL446 **Geophysics**

GEOL446 Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140, MATH141, and PHYS141. In addition, non-degree-seeking students require the permission of the instructor. Introduction to solid earth geophysics, heat transfer, fluid flow, gravity, geomagnetism, rock and mineral physics, seismology, exploration geophysics. Basic knowledge of integral and differential calculus is required.

0101	Saswata Hier-Majumder	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	PLS 1180

GEOL452 **Watershed and Wetland Hydrology**

GEOL452 Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. In addition, non-degree-seeking students require the permission of the instructor. Junior standing. Physical processes by which water moves in watershed and wetland systems. Topics include: precipitation, infiltration, flow in the unsaturated zone, streamflow generation processes, and groundwater flow.

0101	Karen Prestegaard	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL456 **Engineering Geology**

GEOL456 Engineering Geology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141, PHYS141, and GEOL100 or GEOL120; or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Credit will be granted for only one of the following: GEOL456 or GEOL489Z. Formerly GEOL489Z. An overview of engineering geology with an emphasis on physical understanding, of natural hazards and natural resources. General theories of stress and strain, failure criteria, frictional stability, fluid flow in porous media and poroelasticity are introduced. Quantitative approaches on earthquakes, landslides, land subsidence, and geotechnical aspects of oil/gas exploration are discussed.

0101	Wenlu Zhu	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PLS 1111

GEOL489L **Special Topics; Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration**

GEOL489L Special Topics: Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as MEES698E and GEOL789L. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	COL 0105

GEOL489T **Special Topics; Isotopes and Trace Element Geochemistry**

GEOL489T Special Topics: Isotopes and Trace Element Geochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Pre-requisites: GEOL 443 (Petrology). An introduction to the theories behind radiogenic isotope and trace element geochemistry, and how they are applied to a variety of geological problems: including high and low temperature geochemical systems. General applications include geochronology and petrogenesis.

0101	Richard Walker	Seats (Total: 10)
	TuTh 8:00am - 9:15am	PLS 1164

GEOL489V **Special Topics; Statistics for Geoscientists**

GEOL489V Special Topics: Statistics for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: basic courses in statistics and linear algebra, some experience with computer programming, or permission of instructor. Practical approach to basic statistics applied in the geosciences. Experimental design, elementary statistics and probability, sequence analysis, spatial analysis, linear regression, nonparametric statistics, bivariate, multivariate and principal components analysis of variance, hypothesis testing. Problem sets and participatory discussion of statistical applications in the current literature.

0101	Michael Evans	Seats (Total: 10)
	MWF 10:00am - 10:50am	CHE 2116

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL614 **Thermodynamics of Geological Processes**

GEOL614 Thermodynamics of Geological Processes; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 141; and CHEM 113; and GEOL 322; and PHYS 142. In addition, non-degree-seeking students require the permission of the instructor. Thermodynamics and its application to problems in mineralogy, petrology and geochemistry. Systematic development of the laws of thermodynamics and the principles of chemical equilibrium as applied to geological problems.

0101	Philip Candela	Seats (Total: 10)
	TuTh 9:30am - 10:45am	GEO 2117

GEOL650 **Isotope and Trace Element Geochemistry**

GEOL650 Isotope and Trace Element Geochemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL443 or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Trace elements and isotopes in geology, including modern applications in geochronology and petrogenesis.

0101	Richard Walker	Seats (Total: 15)
	TuTh 8:00am - 9:15am	PLS 1164

GEOL652 **Advanced Watershed and Wetland Hydrology**

GEOL652 Advanced Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL452 or permission of department. In addition, non-degree-seeking students require the permission of the instructor. Physical and chemical processes in watershed and wetland systems: with an emphasis on redox reactions.

0101	Karen Prestegaard	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL670 **Physical Oceanography**

GEOL670 Physical Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. In addition, non-degree-seeking students require the permission of the instructor. Also offered as AOSC670. Credit will be granted for only one of the following: GEOL670 or AOSC670. Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the termocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	James Carton	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSS 2416

GEOL789L **Recent Advances in Geology; Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration**

GEOL789L Recent Advances in Geology: Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.
Also offered as MEES698E and GEOL489L. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality. Includesa semester research project.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	COL 0105

GEOL789V **Recent Advances in Geology; Statistics for Geoscientists**

GEOL789V Recent Advances in Geology: Statistics for Geoscientists; (2-4 credits) Grade Method: REG/AUD.
Prerequisites: basic courses in statistics and linear algebra, some experience with computer programming, or permission of instructor. Practical approach to basic statistics applied in the geosciences. Experimental design, elementary statistics and probability, sequence analysis, spatial analysis, linear regression, nonparametric statistics, bivariate, multivariate and principal components analysis of variance, hypothesis testing. Problem sets and participatory discussion of statistical applications in the current literature.

0101	Michael Evans MWF 10:00am - 10:50am	Seats (Total: 15) CHE 2116

GEOL789Z **Recent Advances in Geology; Faulting and Earthquake Mechanics**

GEOL789Z Recent Advances in Geology: Faulting and Earthquake Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisites: GEOL 100, GEOL 110, MATH 141, PHYS 141; or permission of Instructor.

0101	Wenlu Zhu TuTh 2:00pm - 3:15pm	Seats (Total: 10) PLS 1111

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Fall 2010

GERM103 **Intensive Elementary German**

GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM101, GERM102, more than two years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Claudia Biester MTuWF 10:00am - 10:50am	Seats (Total: 23) JMZ 0120
0201	Claudia Biester MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 23) JMZ 1224 JMZ 2117
0301	Ina Sammler MTuWF 1:00pm - 1:50pm	Seats (Total: 23) JMZ 1224

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103 or equivalent. Not open to students who have completed GERM201, GERM202, four years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Petra Volkhausen MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 20) JMZ 0103 JMZ 2117
0201	Petra Volkhausen MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 20) JMZ 2122 JMZ 0120

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GERM203 or level 4 of high school German. Not open to fluent/native speakers. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Regina Ianozi MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1226

GERM269D **Special Topics in Study Abroad II; German Composition II**
Contact department for information to register for this course.

GERM283 **Viking Culture and Civilization**

GERM283 Viking Culture and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Formerly GERM383. An introduction to the lifestyle of northern Europe in the 9th to 11th centuries. Readings and instruction in English.

0101	Rose-Marie Oster TuTh 11:00am - 12:15pm	Seats (Total: 49) JMZ 2206

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204 or equivalent. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Melda Baysal Walsh	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	JMZ 2207

GERM302 **Conversation and Composition II: Current Topics in German Society**

GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Susanne Van Leuven	Seats (Total: 20)
	MWF 11:00am - 11:50am	PLS 1172

GERM319A **Selected Topics in Germanic Language Studies; Advanced German Grammar**

GERM319A Selected Topics in Germanic Language Studies: Advanced German Grammar; (3 credits) Grade Method: REG.

0101	Alene Moyer	Seats (Total: 20)
	Tu 9:30am - 10:45am	JMZ 1215
	Th 9:30am - 10:45am	JMZ 2123

GERM319B **Selected Topics in Germanic Language Studies; Germn for Travellers**

0101	Ina Sammler	Seats (Total: 19)
	Meets October 29, 2010 - December 10, 2010	
	F 4:00pm - 5:30pm	JMZ 1117

GERM322 **Highlights of German Literature II**

GERM322 Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Selected masterworks from different periods of German literature: Romanticism, Biedermeier, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Readings and instruction in German.

0101	Regina Ianozi	Seats (Total: 25)
	Tu 2:00pm - 3:15pm	JMZ 3120
	Th 2:00pm - 3:15pm	JMZ 1224

GERM322H **Highlights of German Literature II**

GERM322H Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent.

0101	Regina Ianozi	Seats (Total: 25)
	Tu 2:00pm - 3:15pm	JMZ 3120
	Th 2:00pm - 3:15pm	JMZ 1224

GERM386 **Experiential Learning**

GERM386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GERM389G **Topics in Germanic Culture; Germman American Cultural Contrasts**
Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

GERM397H Honors Reading (Independent Study); (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM401 **Advanced Conversation: Germany within Europe**

GERM401 Advanced Conversation: Germany within Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. Development of fluency in spoken German. Discussion of contemporary issues related to Germany in context of Europe.

0101	Julie Koser	Seats (Total: 20)
	MW 11:00am - 12:15pm	JMZ 3203

GERM439E **Selected Topics in German Literature; German Pop Culture in the 20th and 21st Centuries**

GERM439E Selected Topics in German Literature: German Pop Culture in the 20th and 21st Centuries; (3 credits) Grade Method: REG/P-F/AUD.
Selected texts, films, music, cultural trends in Germany from the 1990s to the present. Readings and instruction in German.

0101	Julie Koser	Seats (Total: 20)
	MW 3:00pm - 4:15pm	JMZ 2206

GERM439J **Selected Topics in German Literature; Introduction to the History of the German Language**
Contact department for information to register for this course.

GERM463 **The World of the Viking Sagas**

GERM463 The World of the Viking Sagas; (3 credits) Grade Method: REG/P-F/AUD.
An in-depth analysis of the Old Norse/Viking sagas of Medieval Scandinavia as literature historiography and folklore. Readings include Sagas of the Icelanders, Kings Sagas and Heroic/Mythical Sagas. In English.

0101	Rose-Marie Oster	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2117

GERM498H **Honors Thesis Writing**

GERM498H Honors Thesis Writing; (3 credits) Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM499 **Directed Study**

GERM499 Directed Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM689X **Special Topics - M.A. Level; Berlin Circa 1900**

GERM689X Special Topics - M.A. Level: Berlin Circa 1900; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

GERM689Y **Special Topics - M.A. Level; Film and Literary Analysis**

GERM689Y Special Topics - M.A. Level: Film and Literary Analysis; (3 credits) Grade Method: REG/AUD.

0101	Peter Beicken	Seats (Total: 10)
	W 5:00pm - 7:30pm	JMZ 2122

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM829X **Seminar: The 19th Century; Berlin Circa 1900**

GERM829X Seminar: The 19th Century: Berlin Circa 1900; (3 credits) Grade Method: REG/AUD.

0101	Elke Frederiksen Th 5:00pm - 7:30pm	Seats (Total: 10) JMZ 3118

GERM839Y **Seminar: Special Topics; Film and Literary Analysis**

GERM839Y Seminar: Special Topics: Film and Literary Analysis; (3 credits) Grade Method: REG/AUD.

0101	Peter Beicken W 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2122

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Fall 2010

GREK101 **Elementary Ancient Greek I**

GREK101 Elementary Ancient Greek I; (4 credits) Grade Method: REG/P-F/AUD. *A student who has had two units of Greek in high school may register for GREK101 for purposes of review but not for credit.* Study of basic grammar, development of reading facility, and introduction to Athenian life and culture in the fifth century B.C. Classical and New Testament Greek.

0101	Lillian Doherty	Seats (Total: 22)
	MWF 2:00pm - 2:50pm	WDS 1127
	W 1:00pm - 1:50pm	WDS 1127

GREK111 **Elementary Modern Greek I**

GREK111 Elementary Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Greek. Credit will be granted for only one of the following: FOLA108G or GREK111. Formerly FOLA108G.* An introduction to the language and culture of modern Greece. Students begin to acquire the basic tools of the language and to communicate, in simple everyday situations. This is the first of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach	Seats (Total: 24)
	MWF 12:00pm - 12:50pm	PLS 1184

GREK201 **Intermediate Ancient Greek**

GREK201 Intermediate Ancient Greek; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GREK102 or equivalent. Advancing beyond the basic skills developed in GREK 101 and GREK 102; review of selected grammatical concepts; continuous reading of passages from Greek literature.

0101	Eva Stehle	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 0205
	F 1:00pm - 1:50pm	JMZ 2125

GREK211 **Intermediate Modern Greek I**

GREK211 Intermediate Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native speakers of Greek. Prerequisite: GREK112 or permission of instructor. Credit will be granted for only one of the following: FOLA118G or GREK211. Formerly FOLA118G. A continuation of the study of basic structures and the development of fluency in functional, spoken and written communication. This is the first of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach MW 2:00pm - 3:15pm	Seats (Total: 15) MMH 2407A

GREK488B **Greek Readings**

GREK488B Greek Readings; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eva Stehle MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 5) JMZ 0205 JMZ 2125

GREK488E **Greek Readings; Historians**

GREK488E Greek Readings: Historians; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kenneth Tuite W 5:00pm - 7:45pm	Seats (Total: 15) MMH 2407A

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK606 **Greek Historians**

GREK606 Greek Historians; (3 credits) Grade Method: REG/AUD.
Survey of the Greek historians, concentrating on Herodotus and Thucydides, contrasting the two historians in the areas of subject, methods of research, composition, and achievement.

0101	Kenneth Tuite W 5:00pm - 7:45pm	Seats (Total: 10) MMH 2407A

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Fall 2010

GVPT100 **Principles of Government and Politics**

GVPT100 Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A study of the basic principles and concepts of political science.

0101	Johanna Birnir MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 2102	 Discussion
0102	Johanna Birnir MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 0111	 Discussion
0103	Johanna Birnir MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 1114	 Discussion

0104	Johanna Birnir MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 TYD 0111	Discussion
0105	Johanna Birnir MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 1118	Discussion
0106	Johanna Birnir MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 1117	Discussion
0107	Johanna Birnir MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 TYD 1114	Discussion
0108	Johanna Birnir MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 TYD 2108	Discussion
0109	Johanna Birnir MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 ASY 3207	Discussion
0110	Johanna Birnir MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 TYD 2106	Discussion
0111	Johanna Birnir MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 KEY 1117	Discussion
0112	Johanna Birnir MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 2108	Discussion
0201	Robert Koulish TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 KEY 0103	Discussion

0202	Robert Koulish TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 BPS 1234	Discussion
0203	Robert Koulish TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 1118	Discussion
0204	Robert Koulish TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0205	Robert Koulish TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 JMZ 2120	Discussion
0206	Robert Koulish TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HJP 1125	Discussion
0207	Robert Koulish TuTh 11:00am - 11:50am Th 3:00pm - 3:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0208	Robert Koulish TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 SKN 1112	Discussion
0209	Robert Koulish TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TYD 1118	Discussion
FC01	Susan Lee TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) TYD 2111	

GVPT100H **Principles of Government and Politics**

GVPT100H Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. Restricted to GVPT honors students only.

0101	Karol Soltan MW 4:00pm - 5:15pm	Seats (Total: 20) TYD 1132	

GVPT100S **Principles of Government and Politics**

GVPT100S Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Sections 0101-0103 restricted to College Park Scholars - International Studies.
Section 0104 restricted to College Park Scholars - Public Leadership.

0101	James Glass MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 23) HJP 2242 BPS 1236	Discussion
0102	James Glass MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 23) HJP 2242 KEY 0121	Discussion
0103	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 23) HJP 2242 KEY 1117	Discussion
0104	James Glass MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 23) HJP 2242 TYD 0101	Discussion

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A comprehensive study of national government in the United States.

0101	Francene Engel MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0102	Francene Engel MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 1102	Discussion

0103	Francene Engel MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1102	Discussion
0104	Francene Engel MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0105	Francene Engel MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 1102	Discussion
0106	Francene Engel MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 2102	Discussion
0107	Francene Engel MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 50) TYD 0130 TYD 1101	Discussion
0109	Francene Engel MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 50) TYD 0130 TYD 0102	Discussion
0111	Francene Engel MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 25) TYD 0130 TYD 1108	Discussion
0112	Francene Engel MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0113	Francene Engel MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 TYD 0102	Discussion
0114	Francene Engel MW 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 TYD 0102	Discussion

0115	Francene Engel MW 10:00am - 10:50am Th 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 TYD 0102	Discussion
FC01	Scott Racek MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 50) TYD 1101	

GVPT200 **International Political Relations**

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: GVPT100. A study of the major factors underlying international relations, the methods of conducting foreign relations, the foreign policies of the major powers, and the means of avoiding or alleviating international conflicts.

0101	Virginia Haufler MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) LEF 2205 TYD 2102	Discussion
0102	Virginia Haufler MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) LEF 2205 TYD 2110	Discussion
0103	Virginia Haufler MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) LEF 2205 TYD 0102	Discussion
0104	Virginia Haufler MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) LEF 2205 TYD 2111	Discussion
0105	Virginia Haufler MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) LEF 2205 TYD 2110	Discussion
0106	Virginia Haufler MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) LEF 2205 TYD 2102	Discussion

0107	Virginia Haufler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) LEF 2205 TYD 0102	Discussion
	Restricted to Government and Politics majors.		
0108	Virginia Haufler MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) LEF 2205 TYD 1101	Discussion
	Restricted to Government and Politics majors.		
0109	Virginia Haufler MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) LEF 2205 TYD 2106	Discussion
	Restricted to Government and Politics majors.		
0110	Virginia Haufler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) LEF 2205 TYD 2109	Discussion
0111	Virginia Haufler MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) LEF 2205 TYD 2111	Discussion
0112	Virginia Haufler MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 20) LEF 2205 TYD 2106	Discussion

GVPT200S **International Political Relations**

GVPT200S International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: GVPT100. For College Park Scholars.

0101	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) CCC 1205 CCC 1100	Discussion
0102	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) CCC 1205 CCC 1111	Discussion

0103	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) CCC 1205 CCC 1115	Discussion
0104	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 18) CCC 1205 CCC 1200	Discussion

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

GVPT221 Introduction to Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0101	David Lalman MW 2:00pm - 3:15pm	Seats (Total: 15) TYD 1102	

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. For GVPT majors only. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	Charles Alford TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 PLS 1111	Discussion
0102	Charles Alford TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 PLS 1115	Discussion
0103	Charles Alford TuTh 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 KEY 0103	Discussion

0104	Charles Alford TuTh 4:00pm - 4:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 TYD 0111	Discussion
0105	Charles Alford TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 JMZ 1215	Discussion
0106	Charles Alford TuTh 4:00pm - 4:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 TYD 1132	Discussion
0107	Charles Alford TuTh 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 TYD 0101	Discussion
0108	Charles Alford TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 KEY 0120	Discussion

GVPT260 **State and Local Government**

GVPT260 State and Local Government; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170.* A study of the functioning and problems of state and local government in the United States, with illustrations from Maryland jurisdictions.

0101	Melissa Bell TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 0102

GVPT280 **Comparative Politics and Governments**

GVPT280 Comparative Politics and Governments; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. An introduction to the comparative study of politics and governance, including the analytical frameworks for studies of politics and governmental institutions and a survey of the major types of European regimes.

0101	Margaret Pearson TuTh 12:30pm - 1:45pm	Seats (Total: 75) TYD 1102

GVPT282 **The Government and Politics of the Third World**
Contact department for information to register for this course.

GVPT289B **Special Topics in Government and Politics; Globalization**
Contact department for information to register for this course.

GVPT289C **Moot Court**

GVPT289C Moot Court; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
An introduction to oral advocacy and the American legal system. Students will explore the American court system and substantive areas of the law, including criminal law and procedure, sports law, education law, property and contracts. Students will also learn and fine tune their oral advocacy skills in simulated appellate proceedings.

FC01	Susannah Prucka	Seats (Total: 20)
	MW 7:30pm - 8:45pm	TYD 1114
	Restricted to students in Freshmen Connection.	

GVPT289H **Special Topics in Government and Politics; Government and Politics Honors Workshop**

GVPT289H Special Topics in Government and Politics: Government and Politics Honors Workshop; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to GVPT Honors students. This course meets bi-weekly.

0101	Frances Lee	Seats (Total: 20)
	W 3:00pm - 4:40pm	TYD 1114

GVPT289Q **Special Topics in Government and Politics; Peace and Conflict: The European Experience**
Contact department for information to register for this course.

GVPT289R **Special Topics in Government and Politics; Approaches to International Development**
Contact department for information to register for this course.

GVPT289Z **Special Topics in Government and Politics; Contemporary British Government**
Contact department for information to register for this course.

GVPT306 **Global Ecopolitics**

GVPT306 Global Ecopolitics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Consideration of global problems such as the growth controversy, agricultural productivity, pollution, resource depletion, the energy crisis, and the general impact of science and technology on the world ecological, socio-economic, and political system with particular emphasis on such matters as objects of public policy.

0101	Michael Beevers	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TYD 2109

GVPT309H **Topics in International Relations; British Politics**
Contact department for information to register for this course.

GVPT319A **Topics in Social Advocacy; Mock Trial: Introduction to Advocacy**

GVPT319A Topics in Social Advocacy: Mock Trial: Introduction to Advocacy; (1-3 credits) Grade Method: REG/P-F/AUD.
A series of lectures on trial advocacy, followed by preparation for and participation in invitational mock trial tournaments. Students may be selected to return for the spring semester to represent the University in natioanl competition. Click here for more course information.

0101	Amir Mohammad Sadeghy	Seats (Total: 63)
	W 6:30pm - 9:15pm	TYD 2106

GVPT319L **Topics in Social Advocacy; LEGAL ADVOCACY**

GVPT319L Topics in Social Advocacy: LEGAL ADVOCACY; (3 credits) Grade Method: REG/P-F/AUD.
This course will explore how lawyers make factual and legal arguments and how judges and juries decide cases. Students will be exposed to a wide variety of legal issues that regularly arise in both civil and criminal cases. The course will focus on oral and written advocacy and also will address the decisional processes of trial courts and appellate courts. Students will be assigned to read actual appellate opinions, including opinions of the Supreme Court of the United States.

SG91	Brent Newton	Seats (Total: 13)
	W 6:30pm - 9:00pm	Location: TBA
	This section meets at Universities at Shady Grove.	

GVPT321 **Intermediate Formal Theories of Political Behavior and Politics**

GVPT321 Intermediate Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 or permission of department. Analysis of the theory of games, social choice, voting and such notions of social welfare as distributive justice and liberty.

0101	David Lalman MW 3:30pm - 4:45pm	Seats (Total: 27) TYD 0102	

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 or GVPT171. Not open to students who have completed GVPT231. Credit will be granted for only one of the following: GVPT231 or GVPT331. Formerly GVPT231. A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Alan Nemeth MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 JMZ 0205	 Discussion
0102	Alan Nemeth MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 JMZ 2117	 Discussion
0103	Alan Nemeth MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 Location: TBA	 Discussion
0104	Alan Nemeth MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 TYD 1118	 Discussion
0105	Alan Nemeth MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 LEF 2208	 Discussion

0106	Alan Nemeth MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 TYD 1118	 Discussion

GVPT339 **Topics in Public Law**
Contact department for information to register for this course.

GVPT349D **Topics in Political Philosophy; Comparative Politics**
Contact department for information to register for this course.

GVPT354 **Peacebuilding, Post-Conflict Reconstruction, and International Development**

GVPT354 *(PermReq)* **Peacebuilding, Post-Conflict Reconstruction, and International Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Also offered as BSOS354. Credit will be granted for only one of the following: BSOS354 or GVPT354. A study of the interrelation between violent conflict and socio-economic development worldwide. Students will become familiar with current strategies for designing and implementing conflict-sensitive development strategies. Also offered as ANTH368I. Click here for more information.

0101	John Grayzel TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 1102

GVPT355 **Capstone I: International Development and Conflict Management**

GVPT355 *(PermReq)* **Capstone I: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Only open to students in IDCM Minor Program. Recommended: GVPT354. This course serves as one-half of the Capstone Session for the Minor in International Development and Conflict Management. It is designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevant to the fields of international development, humanitarian relief and conflict management. This course must be taken in conjunction with GVPT356.

0101	Daniella Fridl M 3:30pm - 6:15pm	Seats (Total: 40) TYD 0101

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic adviser, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

0101	Stephen Yoder	Seats (Total: 25)
	Contact instructor or department for details.	

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.

0101	Stephen Yoder	Seats (Total: 25)
	M 6:30pm - 9:15pm	TYD 0101

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388H **Topical Investigations; Editorial Internship for the Good Society: Critical Readings in Democracy**

GVPT388H *(PermReq)* **Topical Investigations: Editorial Internship for the Good Society: Critical Readings in Democracy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Stephen Elkin F 3:00pm - 5:45pm	Seats (Total: 3) Location: TBA

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Koulish M 6:30pm - 9:15pm	Seats (Total: 40) TYD 2108

GVPT388M **Topical Investigations; Mock Trial**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Amir Mohammad Sadeghy W 6:30pm - 9:15pm	Seats (Total: 40) TYD 2108

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to and permission of GVPT Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396 and admission to GVPT honors program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399A **Seminar in Government and Politics; Game Theory**

GVPT399A Seminar in Government and Politics: Game Theory; (3 credits) Grade Method: REG/P-F/AUD.

0101	Piotr Swistak	Seats (Total: 40)
	Th 3:30pm - 6:15pm	TYD 2111

GVPT399C **Seminar in Government and Politics; The Case of Catalonia**
Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**
Contact department for information to register for this course.

GVPT399F **Seminar in Government and Politics; Politics and Culture of Hollywood**
Contact department for information to register for this course.

GVPT399K **Seminar in Government and Politics; Religion and Politics**
Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**
Contact department for information to register for this course.

GVPT399N **Seminar in Government and Politics; Political Movements in the European Union**
Contact department for information to register for this course.

GVPT399O **Seminar in Government and Politics; Governance and Public Policy**
Contact department for information to register for this course.

GVPT399Q **Seminar in Government and Politics; Liberalism and the Idea of the Self**

GVPT399Q Seminar in Government and Politics: Liberalism and the Idea of the Self; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Glass	Seats (Total: 15)
	W 3:30pm - 6:15pm	TYD 1111

GVPT399R **Seminar in Government and Politics; Citizenship, Rights & Duties**
Contact department for information to register for this course.

GVPT399T **Seminar in Government and Politics; Social Policy, Social Exclusion**
Contact department for information to register for this course.

GVPT399V **Seminar in Government and Politics; Race, Ethnicity, and Social Policy**
Contact department for information to register for this course.

GVPT399W **Seminar in Government and Politics; International Economic Organizations**
Contact department for information to register for this course.

GVPT399X **Seminar in Government and Politics; Political Movements in the EU**
Contact department for information to register for this course.

GVPT399Y **Seminar in Government and Politics; Political Economy of Sustainable Development**
Contact department for information to register for this course.

GVPT407 **International Political Economy**

GVPT407 International Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Introduces the field of international political economy, which analyzes the ways in which economic and political changes produce both economic and political reactions. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski	Seats (Total: 30)
	TuTh 8:00am - 9:15am	TYD 0101

GVPT409D **Seminar in International Relations and World Politics; International Security**

GVPT409D Seminar in International Relations and World Politics: International Security; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. A background in statistics is recommended, but not required. For GVPT majors only. All other majors will be placed on holdfile.

0101	Sarah Croco	Seats (Total: 30)
	M 3:30pm - 6:15pm	TYD 2102

GVPT409H **Seminar in International Relations and World Politics; Sectarianism in the Middle East**

GVPT409H Seminar in International Relations and World Politics: Sectarianism in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to GVPT Honors students.

0101	Daniel Corstange	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1132

GVPT409L **Seminar in International Relations and World Politics; Comparative Political Economy**

GVPT409L Seminar in International Relations and World Politics: Comparative Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200. Restricted to GVPT Honors students.

0101	Joel Simmons	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2108

GVPT409P **Seminar in International Relations and World Politics; Economic Globalization**

GVPT409P Seminar in International Relations and World Politics: Economic Globalization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT majors only. All other majors will be place on the holdfile.

0101	Irina Aervitz	Seats (Total: 30)
	TuTh 4:00pm - 5:15pm	TYD 2109

GVPT409R **Seminar in International Relations and World Politics; Religion and Politics in the World**

GVPT409R Seminar in International Relations and World Politics: Religion and Politics in the World; (3 credits) Grade Method: REG/P-F/AUD.
A comparative analysis of religion's role in politics aroud the world, with special emphasis on conflict, regime type, development, and foreign policy. Prerequisite GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Irina Aervitz	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 2106

GVPT409W **Seminar in International Relations and World Politics; Approaches to International Relations**
Contact department for information to register for this course.

GVPT422 **Quantitative Political Analysis**

GVPT422 Quantitative Political Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT220. For GVPT majors only. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to quantitative methods of data analysis, including selected statistical methods, block analysis, content analysis, and scale construction.

0101	Antoine Banks	Seats (Total: 30)
	Tu 3:30pm - 5:55pm	TLF 1101

GVPT423H **Elections and Electoral Behavior**

GVPT423H Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. Restricted to GVPT Honors students. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	James Gimpel	Seats (Total: 20)	
	M 3:30pm - 6:15pm	TYD 2109	

GVPT424 **Topics in Formal Theories of Political Behavior and Politics**

GVPT424 Topics in Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 and GVPT241. For GVPT majors only. The focus of this course will vary both by its theoretical core and its applications. The theories are likely to be those of games, social choice, and voting. The applications will usually be to problems of distributive and social justice, community organizing, responsive public policy, institutional design, alliance and coalition formation, etc. Some of the topics will involve research projects. For GVPT majors only. All other majors will be placed on the holdfile.

0101	David Lalman	Seats (Total: 10)	
	M 6:30pm - 9:15pm	TYD 0102	

GVPT431 **Introduction to Constitutional Law**

GVPT431 Introduction to Constitutional Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Michael Spivey	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	TYD 1101	
	F 10:00am - 10:50am	TYD 1101	Discussion

0102	Michael Spivey MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 1101 TYD 2106	 Discussion
0103	Michael Spivey MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1101 TYD 0101	 Discussion

GVPT432 **Civil Rights and the Constitution**

GVPT432 Civil Rights and the Constitution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT331. For GVPT majors only. A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants.

SG91	Samantha Davis TuTh 3:30pm - 4:45pm *This section meets at the Universities at Shady Grove.*	Seats (Total: 40) BLD3 4215

GVPT433 **The Judicial Process**

GVPT433 The Judicial Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT331. For GVPT majors only. An examination of judicial organization in the United States at all levels of government, with some emphasis on legal reasoning, legal research and court procedures.

SG91	Brent Newton **Meets September 13, 2010 - December 13, 2010** M 6:30pm - 9:00pm *This section meets at Universities at Shady Grove.*	Seats (Total: 20) BLD3 4206

GVPT439A **Seminar in Public Law; Comparative Constitutional Law**

GVPT439A Seminar in Public Law: Comparative Constitutional Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Karol Soltan	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 2111

GVPT440 **Advanced Game Theory**

GVPT440 Advanced Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 and MATH240; or permission of instructor.

0101	Piotr Swistak	Seats (Total: 30)
	Tu 3:30pm - 6:15pm	TYD 1132

GVPT441 **History of Political Theory: Ancient and Medieval**
Contact department for information to register for this course.

GVPT443 **Contemporary Political Theory**

GVPT443 Contemporary Political Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. For GVPT majors only. A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present. All other majors will be placed on the holdfile.

0101	Sung Paik	Seats (Total: 30)
	M 2:00pm - 4:45pm	TYD 1118

GVPT449Y **Seminar in Political Philosophy; Environmental Political Theory**
Contact department for information to register for this course.

GVPT451 **Politics of the Developing World**

GVPT451 Politics of the Developing World; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. Prerequisite: GVPT200 or GVPT280. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Joel Simmons	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 2102

GVPT454 **Seminar in the International Relations of China**

GVPT454 Seminar in the International Relations of China; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Credit will be granted for only one of the following: GVPT409D or GVPT454. Formerly GVPT409D. Explores the foreign relations behavior of the People's Republic of China, with focus on the contemporary era. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Margaret Pearson	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 2109

GVPT457 **American Foreign Relations**
Contact department for information to register for this course.

GVPT459C **Seminar in Comparative Politics; Eastern European Politics: From Communism to Democracy**

GVPT459C Seminar in Comparative Politics: Eastern European Politics: From Communism to Democracy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200 or GVPT280. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1101

GVPT459T **Seminar in Comparative Politics; Politics of Terrorism**

GVPT459T Seminar in Comparative Politics: Politics of Terrorism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200. Restricted to GVPT majors only. All other majors will be placed on the holdfile.

0101	Kanisha Bond	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 2110

GVPT459W **Seminar in Comparative Politics; Civil Wars**

GVPT459W Seminar in Comparative Politics: Civil Wars; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200. Restricted to GVPT majors only. All other majors will be placed on the holdfile.

0101	Kanisha Bond TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 2109	

GVPT462 **Urban Politics**

GVPT462 Urban Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT260. Credit will be granted for only one of the following: GVPT461 or GVPT462. Urban political process and institutions considered in the light of changing social and economic conditions.

SG91	Caroline Harper TuTh 9:30am - 10:45am *This section meets at Universities at Shady Grove.*	Seats (Total: 40) BLD3 4215	

GVPT473 **The U.S. Congress**

GVPT473 The U.S. Congress; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Frances Lee MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 TYD 1132	 Discussion
0102	Frances Lee MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 25) TYD 2106 JMZ 2123	 Discussion
0103	Frances Lee MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 25) TYD 2106 TYD 1102	 Discussion

GVPT475 **The Presidency and the Executive Branch**

GVPT475 The Presidency and the Executive Branch; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. An examination of the U.S. presidency in historical and contemporary perspective: nomination and electoral politics and the president's place in policy-making, administration, and public opinion. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Irwin Morris MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 TYD 2106	 Discussion
0102	Irwin Morris MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 2106 TYD 1108	 Discussion
0103	Irwin Morris MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) TYD 2106 TYD 1132	 Discussion

GVPT479A **Seminar in American Politics; Voting and Participation**

GVPT479A Seminar in American Politics: Voting and Participation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT170 and GVPT241. Restricted to GVPT majors only. All other majors placed on the holdfile.

0101	Michael Hanmer TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 1102

GVPT479I **Seminar in American Politics; Immigration Politics and Policy**

GVPT479I Seminar in American Politics: Immigration Politics and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on a holdfile.

0101	Robert Koulish TuTh 4:00pm - 5:15pm	Seats (Total: 30) TYD 1101

GVPT484 **Government and Politics of Africa**

GVPT484 Government and Politics of Africa; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT280 or GVPT282. A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries. Restrict to GVPT majors only. All others will be placed on the holdfile.

0101	Thierno Thiam TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 2106	

GVPT622 **Quantitative Methods For Political Science**

GVPT622 Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.
Introduction to quantitiative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs. Course will meet in the LeFrak OASIS lab.

0101	William Reed W 12:30pm - 3:15pm F 1:00pm - 3:00pm	Seats (Total: 12) Location: TBA Location: TBA	 Discussion
0102	William Reed W 6:30pm - 9:15pm F 1:00pm - 3:00pm	Seats (Total: 12) Location: TBA Location: TBA	 Discussion

GVPT700 **Scope and Method of Political Science**

GVPT700 Scope and Method of Political Science; (3 credits) Grade Method: REG/AUD.
Required of all Ph.D. candidates. A seminar in the methodologies of political science, and their respective applications to different research fields. Interdisciplinary approaches and bibliographical techniques are also reviewed.

0101	Sarah Croco Th 3:30pm - 6:15pm	Seats (Total: 15) TYD 2102

0201	Antoine Banks Th 3:30pm - 6:15pm	Seats (Total: 15) TYD 1108
0301	Daniel Corstange Th 3:30pm - 6:15pm	Seats (Total: 15) Location: TBA

GVPT708A **Seminar in International Relations Theory; International Relations Theory**

GVPT708A Seminar in International Relations Theory: International Relations Theory; (3 credits) Grade Method: REG/AUD.

0101	Paul Huth Tu 12:30pm - 3:15pm	Seats (Total: 15) TYD 0139

GVPT743 **Contemporary Political Theory**

GVPT743 Contemporary Political Theory; (3 credits) Grade Method: REG. *Prerequisite: Graduate Standing.* Theorists from Nietzsche (1884-1900) to the present will be covered with a focus on the apparent failure of the Enlightenment to usher in an age of peace and reason.

0101	Charles Alford Tu 6:30pm - 9:15pm	Seats (Total: 12) TYD 1136

GVPT770 **Seminar in American Political Institutions**

GVPT770 Seminar in American Political Institutions; (3 credits) Grade Method: REG/AUD.
This is the core institutions seminar in American politics. The course surveys the primary literature in the field and addresses substantively significant topics related to the study of political institutions in the American context.

0101	Frances Lee M 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT808G **Selected Topics in Functional Problems in International Relations; Global Governance.**

GVPT808G Selected Topics in Functional Problems in International Relations: Global Governance.; (3 credits) Grade Method: REG/AUD.

0101	Virginia Haufler	Seats (Total: 10)
	Tu 3:30pm - 6:15pm	TYD 1111

GVPT848C **Current Problems in Political Theory; Critics of Liberalism**

GVPT848C Current Problems in Political Theory: Critics of Liberalism; (3 credits) Grade Method: REG/AUD.

This course will examine some of the foundational objections to, and criticisms of, liberal political theory from leading thinkers on both the Right and the Left. We will be concerned with the full range of sociologi cal, psychological, economic, moral, and aesthetic critiques of modern liberal society as they arose in the 18th and 19th centuries.Readings will include Jean-Jacques Rousseau, Edmund Burke, Joseph de Maistre, Alexs de Tocqueville, Emile Durkheim, Karl Marx, P.-J. Proudhon, Emile Zola, and Georges Sorel, among others.

0101	Richard Boyd	Seats (Total: 10)
	Tu 9:30am - 12:15pm	TYD 1111

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT859A **Selected Topics in Public Policy; Proseminar in Politics, Philosphy, and Public Policy**

GVPT859A Selected Topics in Public Policy: Proseminar in Politics, Philosphy, and Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Karol Soltan	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	VMH 1107

GVPT878A **Problems in American Government and Politics; Urban Politics, Poverty, and Policy**

GVPT878A Problems in American Government and Politics: Urban Politics, Poverty, and Policy; (3 credits) Grade Method: REG/AUD.

0101	Karen Kaufmann	Seats (Total: 10)
	W 12:30pm - 3:15pm	TYD 1111

GVPT888D **Selected Topics in Comparative Governmental Institutions; Political Radicalism: Comparative Perspectives of Communism and Fascism**

GVPT888D Selected Topics in Comparative Governmental Institutions: Political Radicalism: Comparative Perspectives of Communism and Fascism; (3 credits) Grade Method: REG/AUD.

0101	Vladimir Tismaneanu	Seats (Total: 10)
	Th 12:30pm - 3:15pm	TYD 1136

GVPT888E **Selected Topics in Comparative Governmental Institutions; Politics of Conflict**

GVPT888E Selected Topics in Comparative Governmental Institutions: Politics of Conflict; (3 credits) Grade Method: REG/AUD.

0101	Johanna Birnir	Seats (Total: 10)
	W 12:30pm - 3:15pm	TYD 1136

GVPT888P **Selected Topics in Comparative Governmental Institutions; Parties, Congresses, and Bureaucracies**

GVPT888P Selected Topics in Comparative Governmental Institutions: Parties, Congresses, and Bureaucracies; (3 credits) Grade Method: REG/AUD.

0101	Ernesto Calvo	Seats (Total: 10)
	Tu 9:30am - 12:15pm	TYD 1136

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HDCC Digital Cultures and Creativity Fall 2010

HDCC105 **Introduction to Digital Cultures and Creativity I**

HDCC105 Introduction to Digital Cultures and Creativity I; (2 credits) Grade Method: REG/P-F/AUD.
Open to students enrolled in the Digital Cultures and Creativity Honors College Living/Learning program only. History, concepts, and technologies of creative digital expression, coupled with an introduction to development for particular platforms and devices.

0101	Ben Bederson, Matthew Kirschenbaum M 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 20) SQH 1120 PLS 1117	 Discussion
0102	Ben Bederson, Matthew Kirschenbaum M 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 PLS 1117	 Discussion
0103	Ben Bederson, Matthew Kirschenbaum M 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) SQH 1120 PLS 1117	 Discussion
0104	Ben Bederson, Matthew Kirschenbaum M 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 20) SQH 1120 PLS 1117	 Discussion

HEBR Hebrew Fall 2010

HEBR111 **Elementary Hebrew I**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111. Students who have studied Hebrew elsewhere are required to consult N. Levy.

HEBR111 Elementary Hebrew I; (6 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed HEBR101 and HEBR102. Credit will be granted for only one of the following: HEBR101 and HEBR102; or HEBR111. Modern Israeli Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability. For beginners. This course meets six hours per week for 6 credits.

0101	Elie Fagan MWF 9:00am - 10:00am MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 3203 JMZ 1120
0201	Rachel Jablon, Avital Feuer MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123 JMZ 3118
0301	Rachel Jablon, Rutie Eckdish MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3118 JMZ 0208

HEBR211 **Intermediate Hebrew I**

HEBR211 Intermediate Hebrew I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: HEBR112 or equivalent. Not open to students who have completed HEBR201 and HEBR202. Credit will be granted for only one of the following: HEBR201 and HEBR202; or HEBR211. Study of linguistic structure, further development of audio-lingual, reading, writing, and speaking skills. Reading of texts and newspapers designed to give some knowledge of Hebrew life, thought and culture. Individual testing required for placement first week of class.

0101	Elie Fagan MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 0103
0201	Yogev Terry, Aharona Gazit-Rosenthal MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3122 EGR 1102

HEBR313 **Conversation and Composition I**

HEBR313 Conversation and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR212 or equivalent. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Rutie Eckdish TuTh 11:00am - 12:15pm	Seats (Total: 15) BPS 1124
0201	Aharona Gazit-Rosenthal MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2117

HEBR381 **Introduction to Hebrew Cultural Studies**

HEBR381 Introduction to Hebrew Cultural Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Also offered as JWST381. Credit will be granted for only one of the following: HEBR381 or JWST381. Critical study of Israeli culture with emphasis on literature, film, and art as sites of struggle over political and social meaning during times of cultural transformation. Focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew. Also offered as JWST319D.

0101	Eric Zakim TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123

HEBR386 **Experiential Learning**

HEBR386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

HEBR498W **Special Topics in Hebrew; The Transformation of the Israeli Narrative seen in Cultural Texts since 1948**

HEBR498W Special Topics in Hebrew: The Transformation of the Israeli Narrative seen in Cultural Texts since 1948; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349T. Taught in English. A study of Israel's evolution from 1948 through today as shown in novels, short stories, films, plays, TV shows, poems and songs; and examine how they relate to the Israeli political narrative. Click here for additional course information.

0101	Yuval Benziman	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	SQH 1117

HEBR498Z **Special Topics in Hebrew; Moses in Modern Culture**

HEBR498Z Special Topics in Hebrew: Moses in Modern Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Also offered as JWST409Z.

0101	Eric Zakim	Seats (Total: 25)
	Tu 3:30pm - 6:00pm	HBK 1108
	Taught in English.	

HEBR499 **Independent Study in Hebrew**

HEBR499 Independent Study in Hebrew; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HEIP Entrepreneurship and Innovation Fall 2010

HEIP100 **Entrepreneurship and Innovation Colloquium**

HEIP100 Entrepreneurship and Innovation Colloquium; (1 credit) Grade Method: REG.

For Entrepreneurship and Innovation Program students only. Credit will be granted for only one of the following: HONR100 or HEIP100. Exploration of the educational and cultural resources of the campus and metropolitan area; attendance at various additional activities and events is required. Reading and discussion on the personal and social value of higher education; development of a coherent general education program; participation in a community service project; and other activities designed to broaden students' conception of what it means to be an educated person.

0201	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 16) HBK 0123
0202	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 16) PLS 1115
0203	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 16) EGR 2116
0301	William Dorland W 4:00pm - 5:30pm	Seats (Total: 16) CSS 2416
0302	William Dorland W 4:00pm - 5:30pm	Seats (Total: 16) CSI 3118

HEIP143 **Foundations of Entrepreneurship and Innovation**

HEIP143 Foundations of Entrepreneurship and Innovation; (1 credit) Grade Method: REG/P-F/AUD.

For students in the Honors Entrepreneurship and Innovation Program. Foundational ideas and terms in entrepreneurship and innovation are introduced, with attention to developing students understanding of cultivating a business in diverse, global environments; leading and collaborating in a competitive world; developing an entrepreneurial mind for an entrepreneurial world; and industry dynamics of technological innovation.

0101	Jay Smith M 5:00pm - 5:50pm	Seats (Total: 85) PLS 1140

HESP Hearing and Speech Sciences Fall 2010

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood TuTh 12:30pm - 1:45pm	Seats (Total: 45) TYD 0117
0201	Tess Wood TuTh 9:30am - 10:45am	Seats (Total: 45) MTH B0421

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 11:00am - 12:15pm	Seats (Total: 100) SQH 1120

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department. Recommended: HESP120 or LING200. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Rochelle Newman TuTh 11:00am - 12:15pm	Seats (Total: 53) TYD 0102

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Anatomy, physiology, and neurology of speech mechanism.

0101	Barbara Sonies	Seats (Total: 55)
	MW 11:00am - 12:15pm	TYD 2109

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Kelly King	Seats (Total: 40)
	TuTh 5:00pm - 6:15pm	SYM 0200

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

HESP389 LEAP Classroom Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP300 with a grade of "C" (2.0) or better, or permission of department. Recommended: HESP120 or LING200. For HESP majors or by permission of department. Analysis of the normal processes of speech and language development in children.

0101	Froma Roth	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP305 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or by permission of department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Matthew Winn	Seats (Total: 39)
	TuTh 12:30pm - 1:45pm	ARC 1103

HESP406 **Acquired Neurogenic Communication Disorders in Adults**

HESP406 Acquired Neurogenic Communication Disorders in Adults; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: {HESP300 and HESP305} with a grade of "C" (2.0) or better or permission of department. For HESP majors or by permission of department. Survey of the dysarthrias and aphasias in adults from an interdisciplinary point of view.

0101	Yasmeen Shah	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	LEF 2208

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better or permission of department. For HESP majors only or by permission of department.* Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Mickael Deroche	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 0103

HESP410 **Organic Speech Disorders**

HESP410 Organic Speech Disorders; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP305 with a grade of C (2.0) or better; or permission of department. Recommended: HESP403. For HESP majors only or permission of department. Credit will be granted for only one of the following: HESP410 or HESP498C. Formerly HESP498C.* Overview of cleft palate, pediatric and adult swallowing disorders, pediatric cerebral palsy, including dysarthria/apraxia, and their effects on communication; treatment considerations.

0101	Wei Tian	Seats (Total: 40)
	MW 9:30am - 10:45am	TYD 0111

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or permission of department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Christopher Zalewski	Seats (Total: 46)
	TuTh 5:00pm - 6:15pm	ASY 1213

HESP417 **Principles and Methods in Speech-Language Pathology and Audiology**

HESP417 *(PermReq)* **Principles and Methods in Speech-Language Pathology and Audiology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HESP400, HESP411, and at least one of HESP402, HESP404, HESP406, or HESP410 with a grade of "C" (2.0) or better; or permission of department. For HESP majors or permission of department. Offered fall only. The principles underlying the treatment of speech, language and hearing disorders in children and adults. Offered Fall only.

0101	Vivian Sisskin, Deborah Berndtson	Seats (Total: 52)
	MW 1:00pm - 2:50pm	LEF 2208

HESP469 **Honor Thesis Research**

HESP469 Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499H **Independent Study**

HESP499H Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD.

2901	Rochelle Newman	Seats (Total: 5)
	Contact instructor or department for details.	

HESP600 **Instrumentation in Hearing and Speech Sciences**

HESP600 *(PermReq)* **Instrumentation in Hearing and Speech Sciences; (3 credits)** Grade Method: REG/AUD.
Prerequisite: For students seeking doctoral degree in Audiology and permission of department; or permission of instructor. Types and principles of operation of electronic equipment used in the hearing and speech sciences. Offered Fall only.

0101	Peter Fitzgibbons W 3:30pm - 6:00pm	Seats (Total: 10) LEF 0104A

HESP606 **Basic Hearing Measurements**

HESP606 Basic Hearing Measurements; (3 credits) Grade Method: REG/AUD. *Prerequisite: For students seeking doctoral degree in Audiology, (HESP411 or equivalent) and permission of department; or permission of instructor.* Theoretical principles, methodology, and interpretation of routine audiometric tests, including pure tone, speech, and acoustic immittance measures. Modification of procedures for special populations. Equipment calibration and mass hearing screening programs.

0101	Sandra Gordon-Salant Th 3:30pm - 6:00pm	Seats (Total: 30) LEF 0135

HESP612 **Fluency Disorders**

HESP612 *(PermReq)* **Fluency Disorders; (3 credits)** Grade Method: REG/AUD. *Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor.* The nature of fluency disorders. Principles, methods and procedures for the clinical management of fluency disorders in children and adults.

0101	Nan Ratner Tu 1:00pm - 3:30pm	Seats (Total: 25) LEF 0135

HESP616 **Language Disorders in Children**

HESP616 Language Disorders in Children; (3 credits) Grade Method: REG/AUD. *Prerequisite: For students seeking masters degree in Speech Language, (HESP400 or equivalent), and permission of department; or permission of instructor.* Theoretical, empirical and clinical perspectives on language disorders in children.

0101	Froma Roth Th 1:00pm - 3:30pm	Seats (Total: 20) LEF 0135

HESP622 **Neuromotor Disorders of Speech**

HESP622 *(PermReq)* **Neuromotor Disorders of Speech; (3 credits)** Grade Method: REG/AUD.
Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor. Effects of neuropathology on speech production. Classification and assessment of the resultant disorders and their treatment.

0101	Nancy Solomon Tu 6:30pm - 9:15pm	Seats (Total: 25) LEF 0135

HESP624 **Voice Disorders**

HESP624 *(PermReq)* **Voice Disorders; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.

0101	Wei Tian W 5:00pm - 7:30pm	Seats (Total: 30) ASY 3215

HESP630 **Electrophysiological Measurements**

HESP630 Electrophysiological Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: For students seeking doctoral degree in Audiology, HESP606, and permission of department; or permission of instructor. Principles and techniques of physiological and electrophysiological measures of the audio-vestibular mechanisms. Offered fall only.

0101	Tracy Fitzgerald W 1:00pm - 3:30pm	Seats (Total: 10) LEF 0135

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP645 **Pediatric Audiology**

HESP645 *(PermReq)* **Pediatric Audiology; (3 credits)** Grade Method: REG/AUD. *Prerequisite: For students seeking doctoral degree in Audiology, HESP606, and permission of department; or permission of instructor.* Evaluation and treatement of hearing-impaired children. Offered Fall only.

0101	Tracy Fitzgerald	Seats (Total: 10)
	F 1:00pm - 3:30pm	LEF 0135

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP700 **Hearing Aids**

HESP700 Hearing Aids; (3 credits) Grade Method: REG/AUD.
Principles, methods and procedures for selection, fitting, calibration and management of amplification systems for hearing-impaired children and adults.

0101	Lisa Smeallie	Seats (Total: 10)
	M 4:00pm - 6:30pm	LEF 1222

HESP702 **Diagnostic Procedures in Speech-Language Pathology**

HESP702 Diagnostic Procedures in Speech-Language Pathology; (3 credits) Grade Method: REG/AUD.
Prerequisite: For student seeking masters degree in Speech Language and permission of department; or permission of instructor. Diagnostic tools and methods in the analysis of speech-language disorders in children and adults.

0101	Colleen Worthington	Seats (Total: 30)
	Tu 9:30am - 12:00pm	LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP710 **Industrial and Environmental Noise Problems**

HESP710 Industrial and Environmental Noise Problems; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Evaluation and control of noise hazards. Effects of noise on man. Medico-legal aspects of noise-induced hearing impairment.

0101	Lynn Cook	Seats (Total: 20)
	W 6:00pm - 8:30pm	LEF 0135

HESP722 **Psychoacoutics**

HESP722 Psychoacoutics; (3 credits) Grade Method: REG/AUD.
Auditory perception and auditory processing in normal and impaired hearing.

0101	Monita Chatterjee Tu 3:45pm - 6:15pm	Seats (Total: 5) LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe TBA Contact instructor or department for details.	Seats (Total: 10) LEF 0135

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP808R **Current Research in Hearing, Speech and Language Services; Seminar in Contemporary Research: A Survey of Research Methods in CSD**

HESP808R Current Research in Hearing, Speech and Language Services: Seminar in Contemporary Research: A Survey of Research Methods in CSD; (3 credits) Grade Method: REG.

0101	Yasmeen Shah	Seats (Total: 20)
	Contact instructor or department for details.	

HESP818L **Seminar in Language Processing; Infant Language Acquisition**

HESP818L Seminar in Language Processing: Infant Language Acquisition; (3 credits) Grade Method: REG.

0101	Rochelle Newman	Seats (Total: 20)
	Contact instructor or department for details.	

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP848 **Seminar in Audiology**

HESP848 Seminar in Audiology; (3 credits) Grade Method: REG/AUD.

0101	Lauren Wawroski, Monita Chatterjee	Seats (Total: 10)
	M 5:30pm - 8:00pm	LEF 0135

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP868 **Seminar in Speech Science**

HESP868 Seminar in Speech Science; (3 credits) Grade Method: REG/AUD.

1601	Instructor: TBA	Seats (Total: 3)
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HHUM Honors Humanities Fall 2010

HHUM105 **Honors Humanities: Introduction to the Arts and Humanities**

HHUM105 Honors Humanities: Introduction to the Arts and Humanities; (3 credits) Grade Method: REG. CORE Literature (HL) Course.
Restricted to entering freshmen in the Honors Humanities Program only. Credit will be granted for only one of the following: ARHU105 or HHUM105. Formerly ARHU105.
Introduction to the university, the different fields of the arts and humanities, and the history of how the university and the humanities have evolved across the world from ancient times to the present. Primary emphasis on reading and discussion of literary artifacts to assess the meaning and social status of the arts and humanities in the past and their personal and social value for the future.

0101	Valerie Orlando Tu 4:00pm - 5:15pm Th 4:00pm - 5:15pm	Seats (Total: 20) MMH 1400 TWS 0221	 Discussion
0102	Valerie Orlando Tu 4:00pm - 5:15pm Th 4:00pm - 5:15pm	Seats (Total: 20) MMH 1400 TWS 0234	 Discussion

0103	Valerie Orlando Tu 4:00pm - 5:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) MMH 1400 ASY 3221	Discussion
0104	Valerie Orlando Tu 4:00pm - 5:15pm Th 5:30pm - 6:45pm	Seats (Total: 20) MMH 1400 TWS 0234	Discussion

HHUM205 **Second Year Seminar in Honors Humanities**

HHUM205 Second Year Seminar in Honors Humanities; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: Admission to Honors Humanities Program. Recommended: ARHU/HHUM105 and ARHU/HHUM106. Credit will be granted for only one of the following: ARHU205 or HHUM205. Formerly ARHU205. Seminar on basic issues and methodologies in the humanities and arts.

0101	Dana Carluccio TuTh 4:00pm - 5:15pm	Seats (Total: 24) SQH 1121
0201	Dana Carluccio TuTh 5:30pm - 6:45pm	Seats (Total: 24) SQH 1101
0301	Theresa Donofrio MW 4:00pm - 5:15pm	Seats (Total: 24) SQH 1111

HHUM328 **Internship in Honors Humanities**

HHUM328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 5)

HHUM329 **Undergraduate Teaching Assistantship**

HHUM329 Undergraduate Teaching Assistantship; (1-3 credits) Grade Method: REG.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 3)

HISP Historic Preservation Fall 2010

HISP600 **Introductory Seminar in Historic Preservation: Theory, History and Practice**

HISP600 *(PermReq)* **Introductory Seminar in Historic Preservation: Theory, History and Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. An introduction to the wide range of ideas underpinning the practice of preservation covered through readings, discussions, presentations, class projects, and field trips.

0101	Donald Linebaugh	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1101

HISP611 **Historical Research Methods**

HISP611 Historical Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP610 or HISP611. Research methods used by professional historic preservationists to identify and record historic structures and sites. Emphasizes inter/multidisciplinary nature of contemporary preservation practice using archival and ethnographic evidence as a basis for establishing significance.

0101	Kirsten Crase	Seats (Total: 15)
	Th 7:00pm - 9:40pm	ARC 1101

HISP629 **Independent Studies in Historic Preservation**

HISP629 *(PermReq)* **Independent Studies in Historic Preservation; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP650 **Historic Preservation Studio Workshop**

HISP650 *(PermReq)* **Historic Preservation Studio Workshop; (6 credits)** Grade Method: REG/AUD.
Prerequisite: HISP600; and permission of department. Recommended: First Year MHP Courses. For HISP majors only. Students carry out a group preservation project in a local community, from inception and problem formulation through completion. Guided carefully by a faculty team, students will conduct research, interact with communities, perform analyses, and propose solutions for an issue or problem of direct relevance to a local community and client group.

0101	Brooke Wortham-Galvin	Seats (Total: 15)
	TuTh 4:00pm - 6:30pm	ARC 1125

HISP655 **American Vernacular Architecture**

HISP655 American Vernacular Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP655 or HISP619V. Formerly HISP619V. History, theory, and practice of American vernacular architecture including a review of common building technologies, structure, and style, and focusing on methods and approaches for recording, documenting and analyzing these historic resources.

0101	Donald Linebaugh	Seats (Total: 15)
	Tu 7:00pm - 9:40pm	Location: TBA

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh	Seats (Total: 15)
	Contact instructor or department for details.	

HISP680 **Preservation Economics**

HISP680 *(PermReq)* **Preservation Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who have completed HISP619N. Credit will be granted for only one of the following: HISP619N or HISP680. Formerly HISP619N. Students are introduced to a range of economic theories, methods, and issues that must be considered in the practice of historic preservation. Case studies related to community economic development, adaptive reuse, tax credit programs, project finance, and land use will be presented.

0101	Alfred Tetrault	Seats (Total: 15)
	M 7:00pm - 9:40pm	ARC 1125

HISP701 **Certificate Portfolio Project**

HISP701 Certificate Portfolio Project; (1 credit) Grade Method: REG/AUD.
Prerequisite: permission of department. Recommended: HISP600, HISP610, and HISP640. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh	Seats (Total: 20)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

HISP710 Final Project in Historic Preservation I; (1 credit) Grade Method: REG/AUD.
Credit will be granted for only one of the following: HISP700 or HISP710. Formerly HISP700. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Donald Linebaugh	Seats (Total: 15)
	W 5:00pm - 6:00pm	Location: TBA

HISP711 **Final Project in Historic Preservation II**

HISP711 Final Project in Historic Preservation II; (2 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: HISP700 or HISP711. Formerly HISP700. An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

0101	Brooke Wortham-Galvin W 5:00pm - 6:50pm	Seats (Total: 15) TWS 1106	

HIST History Fall 2010

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Arthur Eckstein MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 JMZ 2117	 Discussion
0102	Arthur Eckstein MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 ARM 0101	 Discussion
0103	Arthur Eckstein MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0103	 Discussion
0104	Arthur Eckstein MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2120	 Discussion
0105	Arthur Eckstein MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2120	 Discussion

0106	Arthur Eckstein MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0107	Arthur Eckstein MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0108	Arthur Eckstein MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0109	Arthur Eckstein MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0110	Arthur Eckstein MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 JMZ 2117	Discussion
0111	Arthur Eckstein MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TYD 2110	Discussion
0112	Arthur Eckstein MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 WDS 1130	Discussion

HIST111 **The Medieval World**
Contact department for information to register for this course.

HIST112 **The Rise of the West: 1500 - 1789**

HIST112 The Rise of the West: 1500 - 1789; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History of early modern Europe. Development of the national consciousness of European peoples. Evolution of state power and bureaucracy, economic institutions, art, literature, science and religion.

0101	Donald Sutherland MW 11:00am - 12:15pm	Seats (Total: 40) TYD 1114	

HIST113 **Modern Europe: 1789 - Present**

HIST113 Modern Europe: 1789 - Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Evolution of modern nation states. Industrial-economic structure and demography. Emergence of modern secular society.

0101	Jeffrey Herf MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 ARM 0101	 Discussion
0102	Jeffrey Herf MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0120	 Discussion
0103	Jeffrey Herf MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 JMZ 1224	 Discussion
0104	Jeffrey Herf MW 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 ARM 0103	 Discussion
FC01	Paul Schmitt MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) KEY 0125	

HIST120 **Islamic Civilization**

HIST120 Islamic Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0102	Antoine Borrut MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0103	Antoine Borrut MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0103	Discussion
0104	Antoine Borrut MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0103	Discussion

HIST122 **African Civilization to 1800**

HIST122 African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
History of Africa from earliest times to 1800. Topics of study include origins of African societies, Nile Valley civilization, medieval African states and societies, Islam, oral traditions, African slavery and the slave trade, and early African-European interactions. Also offered as AASP298A.

0101	Hilary Jones MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0102	Hilary Jones MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion
0103	Hilary Jones MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2117	Discussion
0104	Hilary Jones MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion

HIST156 **History of the United States to 1865**

HIST156 History of the United States to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Richard Bell MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 JMZ 3203	 Discussion
0102	Richard Bell MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0103	 Discussion
0103	Richard Bell MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1122	 Discussion
0104	Richard Bell MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 JMZ 2117	 Discussion
0105	Richard Bell MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 2123	 Discussion
0106	Richard Bell MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 WDS 1131	 Discussion
0107	Richard Bell MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 2123	 Discussion
0108	Richard Bell MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0109	Richard Bell MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 3203	 Discussion

0110	Richard Bell MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0205	Discussion
0111	Richard Bell MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0112	Richard Bell MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 SKN 1115	Discussion
0201	Miles Bradbury TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0202	Miles Bradbury TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0203	Miles Bradbury TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 1117	Discussion
0204	Miles Bradbury TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0205	Miles Bradbury TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0122	Discussion
0206	Miles Bradbury TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1215	Discussion
0207	Miles Bradbury TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion

0208	Miles Bradbury TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1215	 Discussion
FC01	Donald McNeilly TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) BPS 1238	
FC02	Stephanie Hinnershitz TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) ARM 0119	

HIST157 **History of the United States Since 1865**

HIST157 History of the United States Since 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Michael Ross MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0102	Michael Ross MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 WDS 1130	 Discussion
0103	Michael Ross MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1215	 Discussion
0104	Michael Ross MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1224	 Discussion
0105	Michael Ross MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 ARM 0112	 Discussion

0106	Michael Ross MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0107	Michael Ross MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0108	Michael Ross MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 WDS 1130	Discussion
0109	Michael Ross MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0110	Michael Ross MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0111	Michael Ross MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0112	Michael Ross MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0201	Edwin Smead MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 SYM 0209	Discussion
0202	Edwin Smead MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2125	Discussion
0203	Edwin Smead MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1120	Discussion

0204	Edwin Smead MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 ARM 0101	Discussion
0205	Edwin Smead MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 WDS 1130	Discussion
0206	Edwin Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 JMZ 2117	Discussion
0207	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0208	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 2117	Discussion
0209	Edwin Smead MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 ARM 0110	Discussion
0210	Edwin Smead MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0208	Discussion
0211	Edwin Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 WDS 1130	Discussion
0212	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
FC01	Katarina Keane TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) SQH 2117	

FC02	Donald McNeilly TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) SQH 1105	
FC03	Katarina Keane MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) KEY 0103	

HIST205 **Environmental History**

HIST205 Environmental History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
An exploration of the way different societies have used, imagined, and managed nature. Includes examination of questions of land use, pollution, conservation, and the ideology of nature especially, but not exclusively in Europe and North America.

0101	Thomas Zeller MW 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 20) SQH 1120 WDS 1131	 Discussion
0102	Thomas Zeller MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 20) SQH 1120 WDS 1131	 Discussion
0103	Thomas Zeller MW 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 20) SQH 1120 WDS 1131	 Discussion
0104	Thomas Zeller MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) SQH 1120 KEY 0117	 Discussion

HIST208I **Historical Research and Methods Seminar; Historical Research and methods Seminar: Public Policy and Popular Politics in the 20th Century U.S.**

HIST208I *(PermReq)* **Historical Research and Methods Seminar: Historical Research and methods Seminar: Public Policy and Popular Politics in the 20th Century U.S.; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Robert Henderson W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0107
0201	Robert Henderson F 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0107

HIST208R **Historical Research and Methods Seminar; Imperialism, Empire, and Expansion in US History.**

HIST208R *(PermReq)* **Historical Research and Methods Seminar: Imperialism, Empire, and Expansion in US History.; (3 credits)** Grade Method: REG.

0101	Stephanie Hinnershitz Tu 11:30am - 1:30pm Contact instructor or department for details.	Seats (Total: 15) KEY 0107

HIST208W **Historical Research and Methods Seminar; Historical Research and Methods Seminar: Science, Technology Environment, and Medicine in Twentieth Century Europe**

HIST208W *(PermReq)* **Historical Research and Methods Seminar: Historical Research and Methods Seminar: Science, Technology Environment, and Medicine in Twentieth Century Europe; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Melissa Kravetz M 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0201	Melissa Kravetz F 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208X **Historical Research and Methods Seminar; Founding Fathers and Mothers: America in the Age of Revolutions, 1776-1848**

HIST208X *(PermReq)* **Historical Research and Methods Seminar: Founding Fathers and Mothers: America in the Age of Revolutions, 1776-1848; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	M Heerman Tu 12:30pm - 2:30pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0201	M Heerman Tu 9:30am - 11:30am Contact instructor or department for details.	Seats (Total: 15) KEY 0107

HIST208Y **Historical Research and Methods Seminar; Historical Research and Methods Seminar: Migration and the Making of U.S. Society**

HIST208Y *(PermReq)* **Historical Research and Methods Seminar: Historical Research and Methods Seminar: Migration and the Making of U.S. Society; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Rebecca Wieters Moake W 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0201	Rebecca Wieters Moake Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208Z **Historical Research and Methods Seminar; Historical Research and Methods Seminar: Feminism in United States History**

HIST208Z *(PermReq)* **Historical Research and Methods Seminar: Historical Research and Methods Seminar: Feminism in United States History; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Christina Larocco M 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0201	Christina Larocco Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST210 **Women in America to 1880**

HIST210 Women in America to 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST210. Credit will be granted for only one of the following: HIST210 or WMST210. An examination of the economic, family and political roles of colonial, slave, immigrant and frontier women in America from pre-industrial colonial period through the early stages of the 19th-century industrialization and urbanization.

0101	Clare Lyons MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 SYM 0215	 Discussion
0102	Clare Lyons MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0103	 Discussion
0103	Clare Lyons MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) SQH 1120 SQH 1101	 Discussion
0104	Clare Lyons MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0121	 Discussion

HIST212 **Women in Western Europe, 1750-Present**

HIST212 Women in Western Europe, 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST212. Credit will be granted for only one of the following: HIST212 or WMST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0125	 Discussion

0102	Gay Gullickson TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 ARM 0101	Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1124	Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 HZF 0106	Discussion

HIST219J **History of West Africa: Colonialism, Commerce and Culture**

HIST219J History of West Africa: Colonialism, Commerce and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Hilary Jones MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

HIST219L **Special Topics in History: The Historian at Work**
Contact department for information to register for this course.

HIST219M **Special Topics in History: Asian American History**

HIST219M Special Topics in History: Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as AAST201.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)
0301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)

0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)	

HIST219R **Special Topics in History; The Cold War**
Contact department for information to register for this course.

HIST219V **The Atlantic World in the Early Modern Period**

HIST219V The Atlantic World in the Early Modern Period; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.

0101	Alejandro Caneque TuTh 1:00pm - 1:50pm Tu 9:30am - 10:45am	Seats (Total: 20) KEY 0102 MTH 1311	Discussion
0102	Alejandro Caneque TuTh 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0118	Discussion
0103	Alejandro Caneque TuTh 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 HZF 0106	Discussion
0104	Alejandro Caneque TuTh 1:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 1215	Discussion

HIST219W **Special Topics in History; Middle East and North Africa in the 20th Century**

HIST219W Special Topics in History: Middle East and North Africa in the 20th Century; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Wien TuTh 9:30am - 10:20am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 3205	Discussion
0102	Peter Wien TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 JMZ 2122	Discussion

0103	Peter Wien TuTh 9:30am - 10:20am W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 ARM 0101	Discussion
0104	Peter Wien TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 HZF 0106	Discussion

HIST221 **Asian American History**

0101	Lisa Mar MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	Discussion
0201	Lisa Mar MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	Discussion
0301	Lisa Mar MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) SYM 0200 ASY 3221	Discussion
0401	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) SYM 0200 JMZ 0118	Discussion

HIST224 **Modern Military History, 1494-1815**

HIST224 Modern Military History, 1494-1815; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Survey of the military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the dynastic wars of the Valois and Habsburgs to the national wars of the French Revolution and Empire.

0101	Jon Sumida MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 1117	Discussion

0102	Jon Sumida MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 JMZ 2117	Discussion
0103	Jon Sumida MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 JMZ 2120	Discussion
0104	Jon Sumida MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SYM 0209	Discussion
0105	Jon Sumida MW 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 1124	Discussion
0106	Jon Sumida MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0103	Discussion
0107	Jon Sumida MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0103	Discussion
0108	Jon Sumida MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0101	Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST233 **Empire! The British Imperial Experience 1558-1997**

HIST233 Empire! The British Imperial Experience 1558-1997; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HIST219P or HIST233. Formerly HIST219P. Britain's empire from the mid-sixteenth century to the late twentieth century, focusing on the encounter between Britain and indigenous peoples. Topics include the origins of British imperialism in Ireland and North America, the slave trade, the East India Company and India, women in Empire, transportation and the making of Australia, sex in empire, missionaries, racial theories and decolonizaiton.

FC01	Anne Rush MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) SQH 1107

HIST235 **History of Britain 1461 to 1714**

HIST235 History of Britain 1461 to 1714; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
British history from the War of the Roses to the Hanoverian succession; Yorkist and Tudor society and politics; the Renaissance and Reformation in England, Henry VIII through Elizabeth I; 17th-century crises and revolutions; intellectual and cultural changes; the beginnings of empire; the achievement of political and intellectual order.

0101	Sabrina Baron TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 1117
FC01	Sabrina Baron TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) WDS 0104

HIST236 **History of Britain 1688 to Present**
Contact department for information to register for this course.

HIST237 **Russian Civilization**

HIST237 Russian Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An overview of Russian history stressing the main lines of development of the Russian state and the evolution of Russian culture to the present day.

0101	Michael David-Fox MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 ARM 0103	Discussion
0102	Michael David-Fox MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 PLS 1117	Discussion
0103	Michael David-Fox MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 SYM 0209	Discussion
0104	Michael David-Fox MW 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 0103	Discussion

HIST250 **Latin American History I**

HIST250 Latin American History I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Latin America from pre-Columbian Indian cultures to the beginnings of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments.

0101	David Sartorius MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 PLS 1115	Discussion
0102	David Sartorius MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 1215	Discussion
0103	David Sartorius MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1103	Discussion
0104	David Sartorius MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 LEF 1222	Discussion

HIST255 **African-American History, 1865 - Present**

HIST255 African-American History, 1865 - Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An introductory course in the African-American experience in the United States from 1865 to present. Topics include the aftermath of the Civil War on US race relations, the rise of segregation, northern migration, World War I and II, Civil Rights Movements, and the Black Power Movement.

0101	Alfred Moss TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 1117

HIST266 **The United States in World Affairs**

HIST266 The United States in World Affairs; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

0101	Elizabeth Charles TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 1117
FC01	Daniel Rubin TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) KEY 0126
HSWJ	Philip Muehlenbeck TuTh 7:35am - 8:50am *Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.*	Seats (Total: 35) Location: TBA

HIST275 **Law and Constitutionalism in American History**

HIST275 Law and Constitutionalism in American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
An exploration of the relationship between law and the social and political order between 1750 and 1950. Discussion of important historical issues--religious liberty, economic development, slavery and the Civil War, the political economy of industrialization, the creation of the modern state--from a legal and constitutional perspective.

FC01	Ian Drake TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 28) KEY 0125	

HIST282 **History of the Jewish People I**

HIST282 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as JWST234. Credit will be granted for only one of the following: HIST282 or JWST234. Political, economic, social and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Hayim Lapin TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0103	 Discussion
0103	Hayim Lapin TuTh 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SYM 0209	 Discussion
0104	Hayim Lapin TuTh 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0121	 Discussion
0106	Hayim Lapin TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0118	 Discussion

HIST284 **East Asian Civilization I**

HIST284 East Asian Civilization I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An interdisciplinary survey of the development of East Asian cultures. An historical approach drawing on all facets of East Asian traditional life, to gain an appreciation of the different and complex cultures of the area.

0101	Charles Lilley TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 2103	 Discussion
0102	Charles Lilley TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 SKN 1112	 Discussion
0103	Charles Lilley TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0102	 Discussion
0104	Charles Lilley TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0102	 Discussion

HIST289A **Hot Spots: Violence, Catastrophe and Civilian Conflict in Worldwide Historical Perspective**

HIST289A Hot Spots: Violence, Catastrophe and Civilian Conflict in Worldwide Historical Perspective; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Paul Landau TuTh 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0117	 Discussion
0102	Paul Landau TuTh 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion
0103	Paul Landau TuTh 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion

0104	Paul Landau TuTh 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0117	Discussion

HIST289B **Carbon: Element at the Center of History**

HIST289B Carbon: Element at the Center of History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Robert Friedel MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 15) KEY 1117 JMZ 0118	Discussion
0102	Robert Friedel MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 15) KEY 1117 JMZ 1103	Discussion
0103	Robert Friedel MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 15) KEY 1117 KEY 0117	Discussion
0104	Robert Friedel MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 15) KEY 1117 KEY 0117	Discussion

HIST289C **Mirror of Democracy: The Golden Age of Athens**

HIST289C Mirror of Democracy: The Golden Age of Athens; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Kenneth Holum TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 WDS 1127	Discussion

0102	Kenneth Holum TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) MMH 1400 TLF 1101	Discussion
0103	Kenneth Holum TuTh 12:30pm - 1:20pm W 11:00am - 11:50am	Seats (Total: 20) MMH 1400 KEY 0121	Discussion
0104	Kenneth Holum TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 20) MMH 1400 KEY 0126	Discussion

HIST289D **God Wills It!" The Crusades in Medieval and Modern Perspectives**

HIST289D God Wills It!" The Crusades in Medieval and Modern Perspectives; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. ***One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Janna Bianchini TuTh 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 1117	Discussion
0102	Janna Bianchini TuTh 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 1117	Discussion
0103	Janna Bianchini TuTh 12:00pm - 12:50pm Tu 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TYD 0101	Discussion
0104	Janna Bianchini TuTh 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 20) KEY 0106 LEF 1220	Discussion

HIST289F **Power, Ritual and Society**

HIST289F Power, Ritual and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Alejandro Caneque MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Alejandro Caneque MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0123	Discussion
0103	Alejandro Caneque MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 HZF 0101	Discussion
0104	Alejandro Caneque MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 20) KEY 0102 HZF 0101	Discussion

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST310 **History of South Africa**

HIST310 History of South Africa; (3 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed HIST419E. Formerly HIST419E.* Explores the roots of Apartheid and nonracialism from precolonial times to the present: the social history of work and identity, the rise of kingdoms (Zulu, Sotho), conquest and colonial administration, urban and rural mass politics, gender relations, and the transition to democracy.

0101	Paul Landau TuTh 9:30am - 10:45am	Seats (Total: 35) MMH 3418	

HIST319R **Special Topics in History; Democracy and Dictatorship in Europe 1918-1945**

Contact department for information to register for this course.

HIST319X **Special Topics in History**
Contact department for information to register for this course.

HIST324 **Classical Greece**

HIST324 Classical Greece; (3 credits) Grade Method: REG/P-F/AUD.
The ancient Greeks from Homer to Socrates, 800-400 B.C. Society and religion of the city-state, the art and literature of Periclean Athens, the Peloponnesian War, and the intellectual circle of Socrates.

0101	Kenneth Holum	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0126

HIST326 **The Roman Republic**
Contact department for information to register for this course.

HIST327 **The Roman Empire**
Contact department for information to register for this course.

HIST329D **Special Topics in History; Democracy & Dictatorship in Europe 1918-1945**
Contact department for information to register for this course.

HIST329E **Special Topics in History; Black Women in United States History**

HIST329E Special Topics in History: Black Women in United States History; (1-3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP313 and WMST314.

0101	Elsa Barkley Brown	Seats (Total: 35)
	Tu 3:30pm - 6:00pm	KEY 0116

HIST329G **Special Topics in History; Africans in 18th Century Britain**
Contact department for information to register for this course.

HIST329P **Special Topics in History; Caesar,Cicero, and the Collapse of the Roman Empire**
Contact department for information to register for this course.

HIST330 **Europe in the Making: The Early Medieval West (A.D. 300-1000)**

HIST330 Europe in the Making: The Early Medieval West (A.D. 300-1000); (3 credits) Grade Method: REG/P-F/AUD.
From one empire to another: Rome to Charlemagne. This period is approached as a crucible in which classical, Christian, and Germanic elements merged, yielding new experimental syntheses. This course will deal with issues of authority, cultural trends, and the formation of group solidarity.

0101	Janna Bianchini TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST332 **Renaissance Europe**

HIST332 Renaissance Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST111 or HIST112; or permission of instructor. Intellectual developments in Italy and Northern Europe from 1300 to 1550 and their influence on the arts and religion; social and economics trends, including the rise of the commercial economy in cities; the family and the role of women in society; expansion of Europe overseas and the beginnings of colonization; emergence of the state and consequent changes in political theory.

0101	Stefano Villani MW 12:30pm - 1:45pm	Seats (Total: 40) KEY 0116

HIST352 **America in the Colonial Era, 1600-1763**

HIST352 America in the Colonial Era, 1600-1763; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, or HIST254; or permission of instructor. The founding of the English colonies in America and their European backgrounds, the reasons for the instability of colonial society to 1689 and the emergence of stable societies after 1689; the development of colonial regionalism, political institutions, social divisions, the economy, religion, education, urban and frontier problems in the eighteenth century.

0101	Miles Bradbury TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0121

HIST353 **America in the Revolutionary Era, 1763-1815**

HIST353 America in the Revolutionary Era, 1763-1815; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, HIST254, or HIST275; or permission of instructor. The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.

0101	Whitman Ridgway	Seats (Total: 40)
	MW 9:30am - 10:45am	KEY 0103

HIST354 **Ante-Bellum America 1815-1861**

HIST354 Ante-Bellum America 1815-1861; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, HIST222, HIST254, or HIST275; or permission of instructor. Traces how the strong nationalism after the War of 1812 transformed into the sectionalism that led to Civil War. The course concentrates on the controversies over slavery and other issues contributing to North- South antagonism, including Jacksonian democracy, capitalism, racism, immigration, manifest destiny and religious, social, and intellectual movements, each of which produced its own social tendencies and tensions.

0101	Sarah Adelman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	TYD 0111

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Edwin Smead	Seats (Total: 60)
	MW 2:00pm - 3:15pm	ARM 0112

HIST376 **History of Zionism and the State of Israel**

HIST376 History of Zionism and the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST342. Credit will be granted for only one of the following: HIST376 or JWST342. Ideological and political factors leading to the establishment of a secular Jewish state in 1948; Zionist thought of Herzl, Ahad Ha-am, the socialist and religious Zionists, and the revisionists; diplomatic activities; Arab-Israel conflict; post-1948 Israeli society. Also offered as ISRL342 and JWST342.

0101	Yoram Peri	Seats (Total: 60)
	MW 2:00pm - 3:15pm	TYD 2109

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. The History Department's Internship program. Pre-professional experience in historical research, analysis and writing in a variety of work settings.

Contact department for information to register for this course.

HIST395 **Honors Colloquium I**

HIST395 *(PermReq)* **Honors Colloquium I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For HIST majors only. History and theory: the conceptual underpinnings of the historical discipline. Students evaluate several contrasting theories of history. Prerequisite for other honors courses.

0101	Philip Soergel	Seats (Total: 12)
	M 10:00am - 12:00pm	TLF 2100
	Contact instructor or department for details.	

HIST398 **Honors Thesis**

HIST398 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Philip Soergel W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD. The internal development of biology in the 19th and 20th-centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

0101	Erika Milam TuTh 12:30pm - 1:45pm	Seats (Total: 30) TLF 1103

HIST406 **History of Technology**

HIST406 History of Technology; (3 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed HIST407 prior to Fall Semester, 1989.* The changing character of technology in modern history, beginning with the Middle Ages. Concentrates on the Industrial Revolution and its aftermath, the nature of technological knowledge and the sources of technological change.

0101	Robert Friedel MW 11:00am - 12:15pm	Seats (Total: 40) KEY 1117

HIST408A **Senior Seminar; Early Modern Europe**

HIST408A *(PermReq)* **Senior Seminar: Early Modern Europe; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Stefano Villani W 3:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST408B **Senior Seminar; Asia Pacific War & Occupation of Japan**

HIST408B *(PermReq)* **Senior Seminar: Asia Pacific War & Occupation of Japan; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Marlene Mayo	Seats (Total: 12)
	Tu 10:00am - 12:00pm	KEY 0117
	Contact instructor or department for details.	

HIST408E **Senior Seminar; Race, Sex, and Empire: Major Issues in American History, 1877-1920**

HIST408E *(PermReq)* **Senior Seminar: Race, Sex, and Empire: Major Issues in American History, 1877-1920; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Emily Landau	Seats (Total: 12)
	Tu 10:00am - 12:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408F **Senior Seminar; 20th Century African American History**

HIST408F *(PermReq)* **Senior Seminar: 20th Century African American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Alfred Moss	Seats (Total: 12)
	Th 1:00pm - 3:00pm	TLF 2108
	Contact instructor or department for details.	

HIST408M **Senior Seminar; The Scope and Variety of United States Diplomatic History, 1900-1990**

HIST408M *(PermReq)* **Senior Seminar: The Scope and Variety of United States Diplomatic History, 1900-1990; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Elizabeth Charles	Seats (Total: 12)
	Tu 4:00pm - 6:00pm	KEY 0117
	Contact instructor or department for details.	

HIST408Q **Senior Seminar; Experiencing Empire, The British Imperial World**

HIST408Q *(PermReq)* **Senior Seminar: Experiencing Empire, The British Imperial World; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Anne Rush	Seats (Total: 12)
	M 10:00am - 12:00pm	SKN 0104
	Contact instructor or department for details.	

HIST408V **Senior Seminar; Immigration and Ethnicity in the United States**

HIST408V *(PermReq)* **Senior Seminar: Immigration and Ethnicity in the United States; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Lisa Mar	Seats (Total: 12)
	W 2:00pm - 4:00pm	KEY 0117
	Contact instructor or department for details.	

HIST408Z **Senior Seminar; Inventing the New World**

HIST408Z *(PermReq)* **Senior Seminar: Inventing the New World; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Alejandro Caneque	Seats (Total: 12)
	Th 4:00pm - 6:00pm	KEY 0117
	Contact instructor or department for details.	

HIST419J **Special Topics in History; Strategic Military Theory: Clausewitz**

HIST419J Special Topics in History: Strategic Military Theory: Clausewitz; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jon Sumida	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 0116

HIST419P **Special Topics in History; Origins of Ethnic Cleansing in Russia/USSR**

HIST419P Special Topics in History: Origins of Ethnic Cleansing in Russia/USSR; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mikhail Dolbilov TuTh 9:30am - 10:45am	Seats (Total: 40) MMH 0108

HIST419R **Special Topics in History; Medieval Jewish History**

HIST419R Special Topics in History: Medieval Jewish History; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST429M.

0101	Bernard Cooperman TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126

HIST419T **Special Topics in History; Medieval Readings in Hebrew: Biblical Exegesis**

HIST419T *(PermReq)* **Special Topics in History: Medieval Readings in Hebrew: Biblical Exegesis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of department. Also offered as JWST459C.

0101	Bernard Cooperman TuTh 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 18) KEY 1117

HIST428D **Selected Topics in History; Britain, Ireland and Democracy 1860-1922**
Contact department for information to register for this course.

HIST428E **Selected Topics in History; Witchcraft, Magic and Religion in England**
Contact department for information to register for this course.

HIST428G **Selected Topics in History; Black Radicalism in the Twentieth Century**
Contact department for information to register for this course.

HIST428P **Selected Topics in History; Race and Society, the American South 1868-1968**
Contact department for information to register for this course.

HIST429A **Special Topics in History; Society and Culture in Victorian Britain**

HIST429A Special Topics in History: Society and Culture in Victorian Britain; (3 credits) Grade Method: REG/P-F/AUD.

0101	Julie Taddeo MW 1:00pm - 2:15pm	Seats (Total: 40) JMZ 2206

HIST429B **Special Topics in History; Cultural History of the Chinese Revolutions**

HIST429B Special Topics in History: Cultural History of the Chinese Revolutions; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Gao TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 2108

HIST429K **Special Topics in History; Colonization and Decolonization in North Africa**

HIST429K Special Topics in History: Colonization and Decolonization in North Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Wien Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 18) TLF 2110

HIST429R **History of Science and Gender**

HIST429R History of Science and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Erika Milam TuTh 9:30am - 10:45am	Seats (Total: 30) TLF 1101

HIST436 **French Revolution and Napoleon**

HIST436 French Revolution and Napoleon; (3 credits) Grade Method: REG/P-F/AUD.

The causes and course of the French Revolution with emphasis on the struggle among elites, popular intervention, the spread of counterrevolution, the Terror as repression and popular government, the near collapse of the Republic, and the establishment and defeat of dictatorship.

0101	Donald Sutherland MW 9:30am - 10:45am	Seats (Total: 40) KEY 0116

HIST443 **Modern Balkan History**

HIST443 Modern Balkan History; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST113 or HIST240; or permission of instructor. A political, socioeconomic, and cultural history of Yugoslavia, Bulgaria, Romania, Greece, and Albania from the breakdown of Ottoman domination to the present. Emphasis is on movements for national liberation during the 19th-century and on approaches to modernization in the 20th-century.

0101	John Lampe	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST454 **Constitutional History of the United States: From Colonial Origins to 1860**

HIST454 Constitutional History of the United States: From Colonial Origins to 1860; (3 credits) Grade Method: REG/P-F/AUD.
The interaction of government, law, and politics in the constitutional system. The nature and purpose of constitutions and constitutionalism; the relationship between the constitution and social forces and influences, the way in which constitutional principles, rules, ideas, and institutions affect events and are in turn affected by events. The origins of American politics and constitutionalism through the constitutional convention of 1787. Major constitutional problems such as the origins of judicial review, democratization of government, slavery in the territories and political system as a whole.

0101	Michael Ross	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0126

HIST457 **History of American Culture and Ideas Since 1865**

HIST457 History of American Culture and Ideas Since 1865; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. A continuation of HIST456, from the Civil War to the present.

0101	Saverio Giovacchini	Seats (Total: 40)
	MW 12:30pm - 1:45pm	KEY 0126

HIST463 **History of the Old South**

HIST463 History of the Old South; (3 credits) Grade Method: REG/P-F/AUD.
The golden age of the Chesapeake, the institution of slavery, the frontier South, the antebellum plantation society, the development of regional identity and the experiment in independence.

0101	Sarah Adelman	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 1117

HIST467 **Women and Reform Movements in the Twentieth-Century United States**

HIST467 Women and Reform Movements in the Twentieth-Century United States; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST211; or HIST157; or HIST255. Formerly: HIST419W and HIST429E. Investigation of women's participation in such twentieth-century reform movements as the labor movement, the struggle for racial justice, social welfare reform, and women's movements. Will ask how race, class, and gender were implicated in the ways that women agitated for social political change.

0101	Robyn Muncy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0103

HIST469L **Study Abroad Special Topics IV; London in Peace and War c. 1900-1980**
Contact department for information to register for this course.

HIST469T **Study Abroad Special Topics IV; Black Radicalism in the Twentieth Century**
Contact department for information to register for this course.

HIST473 **History of the Caribbean**

HIST473 History of the Caribbean; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
Offers a concise introduction to the history of the Caribbean regions from the Columbian voyages to the 20th-century. Special emphasis is given to the dynamics of local social and cultural formations within the framework of the political and economic history of the Atlantic world.

0101	David Sartorius	Seats (Total: 33)
	MW 2:00pm - 3:15pm	KEY 0116

HIST475 **History of Mexico and Central America II**

HIST475 History of Mexico and Central America II; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST251, LASC234, or LASC235; or permission of instructor. A continuation of HIST474 with emphasis on the political development of the Mexican nation.

0101	Mary Vaughan TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0116

HIST480 **History of Traditional China**

HIST480 History of Traditional China; (3 credits) Grade Method: REG/P-F/AUD. China from earliest times to 1644 A.D. Emphasis on the development of traditional Chinese culture, society, and government.

0101	James Gao TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0116

HIST482 **History of Japan to 1800**

HIST482 History of Japan to 1800; (3 credits) Grade Method: REG/P-F/AUD. Traditional Japanese civilization from the age of Shinto mythology and introduction of continental learning down to the rule of military families, the transition to a money economy, and the creation of a townsmen's culture. A survey of political, economic, religious, and cultural history.

0101	Marlene Mayo TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

HIST491 **History of the Ottoman Empire**

HIST491 History of the Ottoman Empire; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Survey of the Ottoman Turkish Empire from 1300 A.D. to its collapse during World War I. Emphasis on the empire's social and political institutions and its expansion into Europe, the Arab East and North Africa.

0101	Madeline Zilfi TuTh 9:30am - 10:45am	Seats (Total: 30) TLF 1103

HIST492 **Women and Society in the Middle East**

HIST492 Women and Society in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: prior coursework in Middle East studies or gender studies. Also offered as WMST456. Credit will be granted for only one of the following: HIST492 or WMST456. Examines the customs, values and institutions that have shaped women's experience in the Middle East in the past and in the contemporary Middle East.

0101	Madeline Zilfi Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0124

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD. An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Saverio Giovacchini W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2110

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 *(PermReq)* **The Teaching of History in Institutions of Higher Learning; (1 credit)** Grade Method: S-F.

0101	David Sicilia Contact instructor or department for details.	Seats (Total: 15)

0201	Elsa Barkley Brown	Seats (Total: 6)
	Contact instructor or department for details.	

HIST608A **General Seminar; American History**

HIST608A *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Clare Lyons	Seats (Total: 12)
	M 1:00pm - 3:30pm	TLF 2110

HIST608I **General Seminar; 19th Century Latin America**

HIST608I *(PermReq)* **General Seminar: 19th Century Latin America; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Daryle Williams	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TLF 2101

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619Z **Special Topics in History**

HIST619Z Special Topics in History; (1-3 credits) Grade Method: REG/AUD.

0101	Peter Wien	Seats (Total: 18)
	Th 1:00pm - 3:00pm	TLF 2110
	Contact instructor or department for details.	

HIST628 **Readings in Colonial American History to 1763**

HIST628 Readings in Colonial American History to 1763; (3 credits) Grade Method: REG/AUD.

0101	Richard Bell	Seats (Total: 12)
	W 10:00am - 12:30pm	TLF 2108

HIST639B **Special Topics in History; Black Women in United States History**

HIST639B Special Topics in History: Black Women in United States History; (3 credits) Grade Method: REG/AUD.
Also offered as AMST629B and WMST698B.

0101	Elsa Barkley Brown	Seats (Total: 12)
	M 6:00pm - 8:30pm	TLF 2100

HIST639E **Special Topics in History; Slavery in Comparative Perspective**

HIST639E Special Topics in History: Slavery in Comparative Perspective; (3 credits) Grade Method: REG/AUD.

0101	Leslie Rowland	Seats (Total: 12)
	Tu 1:00pm - 3:30pm	TLF 2100

HIST639F **Special Topics in History; Theories of Imperial Expansion and Empire**

HIST639F Special Topics in History: Theories of Imperial Expansion and Empire; (3 credits) Grade Method: REG/AUD.

0101	Arthur Eckstein	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TLF 2100

HIST649 **Readings in Recent American History, 1941-Present**

HIST649 Readings in Recent American History, 1941-Present; (3 credits) Grade Method: REG.

0101	Robyn Muncy Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST729 **Readings in Modern European History; Ideas & Politics in 20th Century Europe**

HIST729 Readings in Modern European History: Ideas & Politics in 20th Century Europe; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herf W 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

HIST779B **Readings in Middle Eastern History**

HIST779B Readings in Middle Eastern History; (3 credits) Grade Method: REG/AUD.

0101	Antoine Borrut W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST788 **Readings in European Economic and Labor History**

HIST788 Readings in European Economic and Labor History; (3 credits) Grade Method: REG/AUD.

0101	John Lampe	Seats (Total: 12)
	M 1:00pm - 3:30pm	TLF 2108

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST809A **Seminar in the History of Women; Research in Women and Gender History**

HIST809A Seminar in the History of Women: Research in Women and Gender History; (3 credits) Grade Method: REG/AUD.

0101	Gay Gullickson	Seats (Total: 8)
	Th 3:30pm - 6:00pm	KEY 2120

HIST810 **Museum Research Seminar**

HIST810 Museum Research Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: HIST610. Also offered as AMST856. Credit will be granted for only one of the following: AMST638D, AMST856, HIST810 or HIST819D. Formerly HIST819D.* A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.

0101	Judith Freidenberg	Seats (Total: 15)
	M 2:00pm - 4:45pm	WDS 1102

HIST811 **Museum Scholarship Practicum**

HIST811 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: HIST810 and permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Instructor: TBA	Seats (Total: 2)
	Contact instructor or department for details.	

HIST819A **Special Topics in History: Independent Research**

HIST819A Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819X **Special Topics in History: Independent Research; Research in European History**

HIST819X Special Topics in History: Independent Research: Research in European History; (3 credits) Grade Method: REG/AUD.

0101	Gay Gullickson	Seats (Total: 5)
	Th 3:30pm - 6:00pm	KEY 2120

HIST894 **Seminar in American Labor History**

HIST894 Seminar in American Labor History; (3 credits) Grade Method: REG/AUD.
Advanced research and writing on selected topics in the history of American workers, their conditions, communities, organizations and ideas.

0101	Julie Greene	Seats (Total: 12)
	W 1:00pm - 3:30pm	TLF 2110

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Fall 2010

HLSA300 **Introduction to Health Policy and Services**

HLSA300 Introduction to Health Policy and Services; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Elliot Segal	Seats (Total: 35)
	Tu 11:30am - 2:20pm	BLD3 2225
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.	

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Formerly: HLTH688A or HLTH740. Not open to students who have completed HLTH688A or HLTH740. Credit will be granted for only one of the following: HLSA601, HLTH688A, or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Karoline Mortensen Tu 4:00pm - 6:45pm	Seats (Total: 25) CSS 2416

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA710 **Healthcare Mangement: Foundations and Principles**

HLSA710 Healthcare Mangement: Foundations and Principles; (3 credits) Grade Method: REG/AUD.
For HLSA majors only. Concepts and managerial activities essential to achieve the goals of health care organizations are examined and discussed. Managerial processes include planning, decision-making, etc. required to operate and change health care organizations will be discussed. Special emphasis will be placed on the leader/managers role in developing and maintaining an effective system for providing healthcare.

0101	Rada Dagher Tu 1:00pm - 3:45pm	Seats (Total: 20) CHE 2116

HLSA720 **Health Law and Ethics**

HLSA720 Health Law and Ethics; (3 credits) Grade Method: REG/AUD.
The legal system helps determine the relationships prevailing among individuals, institutions and governments by setting out the rights, duties and powers of the various parties. This course will look at some of the more important concepts the law uses within the context of health services and public health.

0101	Mary Kivlighan W 4:00pm - 6:45pm	Seats (Total: 15) SPH 0301

HLSA760 **Healthcare Financial Management**

HLSA760 Healthcare Financial Management; (3 credits) Grade Method: REG/AUD. *For HSLA majors only.* Offers content in health services financial management with emphasis on applying traditional financial theories to health care and the health care system. Focus on decision-making using accounting and finance theories, principles, concepts and techniqes most important to health care leaders.

0101	Arthur Reynolds	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	ASY 3221

HLSA785 **Internship in Public Health**

HLSA785 Internship in Public Health; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Rada Dagher	Seats (Total: 5)
	Contact instructor or department for details.	

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH Health Fall 2010

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101	Elana Clarke	Seats (Total: 200)
	TuTh 3:30pm - 4:45pm	PHY 1412

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Not open to non-majors with more than 60 credits. Not open to students who have completed HLTH105. Credit will be granted for only one of the following: HLTH105 or HLTH130. Formerly HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included.

0101	Donna Howard	Seats (Total: 200)
	TuTh 2:00pm - 3:15pm	SPH 1312

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/AUD. Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Kimberly Heffernan TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312
0201	Kimberly Heffernan TuTh 12:30pm - 1:45pm	Seats (Total: 200) SPH 1312

HLTH200 **Introduction to Research in Community Health**

HLTH200 *(PermReq)* **Introduction to Research in Community Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Bradley Boekeloo MWF 10:00am - 10:50am	Seats (Total: 40) SPH 1301
0201	Carolyn Voorhees TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 1301

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course.
Pre- or corequisite: HLTH130. Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

0101	Cheryl Holt TuTh 8:00am - 9:15am	Seats (Total: 200) KEY 0106

HLTH230S **Introduction to Health Behavior**

HLTH230S Introduction to Health Behavior; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Pre- or corequisite: HLTH130. Restricted to College Park Scholars-Global Public Health.

0101	Donna Howard	Seats (Total: 80)
	TuTh 9:30am - 10:45am	CCC 1205

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	Brian Gilchrist	Seats (Total: 200)
	TuTh 8:00am - 9:15am	SPH 1312

HLTH289 **Topical Investigations**

HLTH289 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH300 **Biostatistics for Public Health Practice**

HLTH300 *(PermReq)* **Biostatistics for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: HLTH200. For HLTH majors only. Also offered as EPIB300. Credit will be granted for only one of the following: EPIB300 or HLTH300. An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Kerry Green	Seats (Total: 75)
	TuTh 2:00pm - 3:15pm	CSS 2324

HLTH301 **Epidemiology for Public Health Practice**

HLTH301 *(PermReq)* **Epidemiology for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH200 and HLTH300. For HLTH majors only. Also offered as EPIB301. Credit will be granted for only one of the following: EPIB301 or HLTH301.
An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

0101	Pamela Clark TuTh 9:30am - 10:45am	Seats (Total: 35) CCC 1111

HLTH371 **Communicating Safety and Health**

HLTH371 Communicating Safety and Health; (3 credits) Grade Method: REG/AUD.
The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Kenneth Beck TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 0308

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312
0201	Tracy Zeeger MWF 10:00am - 10:50am	Seats (Total: 50) SPH 1302

SG91	Robin Sawyer	Seats (Total: 40)
	W 10:30am - 1:20pm	BLD2 3022
	Registration is restricted to Shady Grove Biological Science students.	

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HLTH140 and HLTH230. For HLTH majors only. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sharon Desmond TuTh 9:30am - 10:45am	Seats (Total: 25) SPH 0307
0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0303
0301	Robert Feldman Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305
0401	Darlene Saunders W 4:00pm - 6:45pm	Seats (Total: 25) SPH 1303

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/AUD.
Prerequisite: HLTH391. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 23) SPH 0308
0201	Katherine Sharp TuTh 11:00am - 12:15pm	Seats (Total: 24) SPH 0305
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 24) SPH 1302
0401	Chandria Jones Th 4:00pm - 6:45pm	Seats (Total: 23) SPH 0308

0501	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 6) SPH 2387F

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as WMST471. Credit will be granted for only one of the following: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations. Recommended for junior and senior women.

0101	Carolyn Voorhees MWF 9:00am - 9:50am	Seats (Total: 200) SPH 1312

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Nancy Smith MW 11:00am - 12:15pm	Seats (Total: 26) SPH 0303
0201	Nancy Smith MW 12:30pm - 1:45pm	Seats (Total: 26) SPH 0303

0301	Nancy Smith TuTh 11:00am - 12:15pm	Seats (Total: 26) SPH 0303
0401	Dwayne Radcliffe Tu 4:00pm - 6:45pm	Seats (Total: 26) SPH 0303

HLTH491 **Community Health Internship**

HLTH491 *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.

For community health majors only. Prerequisite: HLTH490. Integrating theory with practice in a community health setting. This course will meet in SPH1303. Please see instructor for details.

0101	Anne Anderson-Sawyer W 1:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 75) Location: TBA

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert M 3:00pm - 5:45pm	Seats (Total: 30) SPH 0107

HLTH498P **Special Topics in Health; Pregnancy Counseling**
Contact department for information to register for this course.

HLTH606 **Foundations of Public Health Education and Policy**

HLTH606 Foundations of Public Health Education and Policy; (3 credits) Grade Method: REG.
For CHED and PCHL majors only. Not open to students who have completed HLTH 605 and HLTH 688E. Examines foundations and content of two professions, health education and public health, including history, mission, terminology, philosophy, ethical principles and scientific foundations. Emerging and reemerging threats to the public's health will be discussed, as well as societal influences on health and health policy. Also addresses professional competencies and preparation, and the role of professional organizations.

0101	Sharon Desmond Tu 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

HLTH665 **Health Behavior I**

HLTH665 *(PermReq)* **Health Behavior I; (3 credits)** Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

0101	Robert Feldman W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303

HLTH666 **Health Behavior II**

HLTH666 Health Behavior II; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH 665. An advanced course with intensive training in health behavior research and the opportunity to carry out original research in health behavior. Patient-provider interaction, patient cooperation with medical treatment and other social and psychological influences on health care.

0101	Robert Feldman Tu 4:00pm - 6:45pm	Seats (Total: 15) SPH 0301

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH688D **Special Problems in Health Education; Impaired Driving Research**

HLTH688D Special Problems in Health Education: Impaired Driving Research; (3 credits) Grade Method: REG/AUD.
Examination of the historical, legal and behavioral factors that contribute to impaired driving. Emphasis on countermeasures to understand and reduce the incidence of this problem.

0101	Kenneth Beck	Seats (Total: 15)
	Tu 4:00pm - 6:45pm	CHE 2145

HLTH688G **Special Problems in Health Education; Geographic Information Systems in Public Health**

HLTH688G Special Problems in Health Education: Geographic Information Systems in Public Health; (3 credits) Grade Method: REG/AUD.

PL01	Chiehwen Hsu	Seats (Total: 20)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

HLTH688V **Special Problems in Health Education; Public Health Information Systems**

HLTH688V Special Problems in Health Education: Public Health Information Systems; (3 credits) Grade Method: REG/AUD.

PL01	Chiehwen Hsu	Seats (Total: 20)
	Meets August 30, 2010 - November 19, 2010	
	Class time/details on ELMs	ONLINE

HLTH710 **Methods and Techniques of Research**

HLTH710 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
For Health majors only.

0101	Kenneth Beck M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303

HLTH711 **Advanced Research Methods in Health**

HLTH711 Advanced Research Methods in Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH 710. For CHED and PCHL majors only. Quantitative techniques, advanced research methods and design issues.

0101	Min Wang Th 7:00pm - 9:45pm	Seats (Total: 15) SPH 0301

HLTH775 **Health Education Program Planning and Evaluation**

HLTH775 Health Education Program Planning and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisites: HLTH 710 and permission of department. A systematic approach to the planning and evaluation of Health Education programs. Diagnosis of the social, psychological, educational and administrative aspects of the health education program. Program monitoring, rigorous methods of impact assessment, and the measurement of efficiency.

0101	Jessica Rath Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303

HLTH781 **Advanced Theory and Applications in Health**

HLTH781 *(PermReq)* **Advanced Theory and Applications in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH665, HLTH710, and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo W 4:00pm - 4:50pm	Seats (Total: 5) SPH 0307

HLTH782 **Advanced Research Methods in Health**

HLTH782 *(PermReq)* **Advanced Research Methods in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH781 and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo	Seats (Total: 5)
	W 4:00pm - 4:50pm	SPH 0307

HLTH783 **Individual Research Plan in Health**

HLTH783 *(PermReq)* **Individual Research Plan in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH782 and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo	Seats (Total: 5)
	W 4:00pm - 4:50pm	SPH 0307

HLTH785 **Internship in Public Health**

HLTH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisites: {HLTH 665; and HLTH 775; and HLTH 780}; or permission of department. Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals. This course will meet in SPH2387 from 7p-9p on selected dates. See inst ructor for details.

0101	Anne Anderson-Sawyer, Elbert Glover	Seats (Total: 15)
	Contact instructor or department for details.	

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: All required course work and permission of department. For HLTH majors only. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Fall 2010

HONR100 **Honors Colloquium**

HONR100 Honors Colloquium; (1 credit) Grade Method: REG.
Prerequisite: permission of University Honors Program. Attendance at various additional activities and events is required. Reading and discussion on the personal and social value of higher education; development of a coherent general education program; exploration of the educational and cultural resources of the campus and metropolitan area; participation in a community service project; and other activities designed to broaden students' conception of what it means to be an educated person.

0101	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) BPS 1234
0102	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) HBK 0123
0103	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) JMZ 1120
0104	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) JMZ 1224
0105	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) SQH 2119
0106	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) EGR 1110
0107	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) BPS 1232
0108	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) JMZ 1103
0109	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) PLS 1162
0110	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) PLS 1168
0111	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) KEY 0107

0112	William Dorland M 4:00pm - 5:30pm	Seats (Total: 17) PLS 1176
0201	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) BPS 1232
0202	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) JMZ 1103
0203	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) ARM 0118
0204	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) JMZ 1120
0205	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) PLS 1180
0206	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) EGR 1110
0207	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) JMZ 1124
0208	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) KEY 0107
0209	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 17) MTH 0102
0301	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) ARM 0102
0302	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) JMZ 1120
0303	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) JMZ 1224
0304	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) MTH 0104

0305	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) SQH 2119
0306	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) ARM 0101
0307	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) EGR 3102
0308	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) MTH 0302
0309	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) WDS 1127
0310	William Dorland W 4:00pm - 5:30pm	Seats (Total: 17) JMZ 1103

HONR208A **Honors Seminar: Proof in Mathematics**

HONR208A Honors Seminar: Proof in Mathematics; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	Joseph Auslander TuTh 11:00am - 12:15pm	Seats (Total: 20) BPS 1232

HONR208B **Honors Seminar: Contemporary Indian Society**

HONR208B Honors Seminar: Contemporary Indian Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Sonalde Desai W 4:00pm - 6:30pm	Seats (Total: 20) KEY 0117

HONR208E **Honors Seminar: J.R.R. Tolkien: Author of the Century**

HONR208E Honors Seminar: J.R.R. Tolkien: Author of the Century; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Verlyn Flieger MW 12:30pm - 1:45pm	Seats (Total: 20) ASY 3215

HONR208X **Honors Seminar: Contemporary Literature, Media, and the State**

HONR208X Honors Seminar: Contemporary Literature, Media, and the State; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Linda Kauffman MW 12:00pm - 1:15pm	Seats (Total: 20) TWS 3132

HONR208Y **Post-9/11 Fiction and Film**

HONR208Y Post-9/11 Fiction and Film; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Kathy-Ann Tan W 3:00pm - 6:00pm	Seats (Total: 20) JMZ 3120

HONR209E **Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions**

HONR209E Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Henry Gregory MW 2:00pm - 3:15pm	Seats (Total: 20) ASY 3207

HONR209O **The Science of Sleep and Biological Rhythms**

HONR209O The Science of Sleep and Biological Rhythms; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	David Yager TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1184

HONR209T **Cities and the World: Globalization and Urban Development**

HONR209T Cities and the World: Globalization and Urban Development; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Mila Zlatic Tu 2:00pm - 4:30pm	Seats (Total: 20) LEF 1171

HONR217 **Life, The Multiverse and Everything: Developing an Individual Cosmovision**

HONR217 Life, The Multiverse and Everything: Developing an Individual Cosmovision; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
In this Honors seminar, students pursue personal cosmologies in light of our contemporary core "Western" scientific world-view and a selection of other ancient and indigenous cosmographies for comparison including those of Mesoamerica, the Inca, the Egyptians or the Chinese.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120

HONR218C **Honors Seminar: Western Intellectual Heritage: The Hero and Society**

HONR218C Honors Seminar: Western Intellectual Heritage: The Hero and Society; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Peter Losin Th 6:00pm - 8:30pm	Seats (Total: 20) ANA 0120

HONR218L **Honors Seminar: Language and Mind**

HONR218L Honors Seminar: Language and Mind; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Valentine Hacquard TuTh 9:30am - 10:45am	Seats (Total: 20) ANA 0120

HONR228B **Planning for Cities**

HONR228B Planning for Cities; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Alexander Chen M 2:00pm - 4:30pm	Seats (Total: 20) HBK 0108

HONR228K **Great Ideas in Physics and Their Implications in Other Disciplines**

HONR228K Great Ideas in Physics and Their Implications in Other Disciplines; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Theodore Einstein MW 2:00pm - 3:15pm	Seats (Total: 20) PHY 1304

HONR228N **Evaluating Global Development Assistance**

HONR228N Evaluating Global Development Assistance; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Vivian Hoffmann TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 1119

HONR228T **Journalism and Peace**

HONR228T Journalism and Peace; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Colman McCarthy M 12:00pm - 2:30pm	Seats (Total: 20) COL 0101

HONR229F **Honors Seminar: New Media Frontiers**

HONR229F Honors Seminar: New Media Frontiers; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Leslie Walker TuTh 2:00pm - 3:15pm	Seats (Total: 20) KNI 2105

HONR229O **Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations**

HONR229O Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Judith Hallett	Seats (Total: 20)
	MW 3:00pm - 4:40pm	CHM 1224

HONR229T **Race, The Civil Rights Movement and the Press**

HONR229T Race, The Civil Rights Movement and the Press; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Haynes Johnson	Seats (Total: 20)
	M 2:00pm - 4:30pm	KNI 1206

HONR229V **Honors Seminar: Energy Sources for the Future: Separating Science from Pseudoscience**

HONR229V Honors Seminar: Energy Sources for the Future: Separating Science from Pseudoscience; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Carlos Romero Talamas	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1117

HONR238A **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

HONR238A Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Korey Rothman	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	WDS 1127

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 20) ASY 3217
0201	Korey Rothman MW 10:00am - 11:15am	Seats (Total: 20) ANA 0120

HONR238F **Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals**

HONR238F Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	William Stricklin, Kim Drnec TuTh 3:30pm - 4:45pm	Seats (Total: 20) SYM 0215

HONR238L **Honors Seminar: Engineering in Ancient Empires**

HONR238L Honors Seminar: Engineering in Ancient Empires; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Denis Sullivan TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMZ 3203

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Edwin Smead M 3:30pm - 6:05pm	Seats (Total: 20) PLS 1184
0201	Edwin Smead Tu 3:30pm - 6:05pm	Seats (Total: 20) KEY 0120

HONR238T **Honors Seminar: The Body and Literature**

HONR238T Honors Seminar: The Body and Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0100

HONR239C **Honors Seminar: The Creative Process in Dance**

HONR239C Honors Seminar: The Creative Process in Dance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Anne Warren TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0120

HONR239P **Higher, Faster, Farther: Case Studies from Aerospace History**

HONR239P Higher, Faster, Farther: Case Studies from Aerospace History; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. Meets in Hornbake Library Nonprint Media Services.

0101	Jeremy Kinney Tu 5:00pm - 7:30pm	Seats (Total: 20) HBK 0302H

HONR248H **Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability**

HONR248H Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Peter Leone M 2:00pm - 4:30pm	Seats (Total: 20) JMP 1202

HONR248N **Honors Seminar: Extinction Risk: Where Biology, Geography, and Mathematics Meet**

HONR248N Honors Seminar: Extinction Risk: Where Biology, Geography, and Mathematics Meet; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Bill Fagan TuTh 2:00pm - 3:15pm	Seats (Total: 20) BPS 2249

HONR248O **Honors Seminar: The Military and the Media in American History**

HONR248O Honors Seminar: The Military and the Media in American History; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	William Hammond W 5:00pm - 7:30pm	Seats (Total: 20) PLS 1119

HONR248W **Honors Seminar: America in the 1960's**

HONR248W Honors Seminar: America in the 1960's; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 12:00pm - 2:30pm	Seats (Total: 20) ANA 0120

HONR248Y **Honors Seminar: Design and the Creative Process**

HONR248Y Honors Seminar: Design and the Creative Process; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Ruth Lozner TuTh 12:30pm - 1:45pm	Seats (Total: 20) ASY 2322

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR249P **Honors Seminar: Art, Politics, and Race in South Africa**

HONR249P Honors Seminar: Art, Politics, and Race in South Africa; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Shannen Hill Th 2:00pm - 4:30pm	Seats (Total: 20) ASY 3217

HONR249W **Honors Seminar: The Spiritual Heritage of the Human Race**

HONR249W Honors Seminar: The Spiritual Heritage of the Human Race; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Suheil Bushrui W 1:30pm - 4:00pm	Seats (Total: 20) TLF 0101

HONR249Y **Honors Seminar: Amadeus: Mozart 101**

HONR249Y Honors Seminar: Amadeus: Mozart 101; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Suzanne Beicken TuTh 2:00pm - 3:15pm	Seats (Total: 20) PAC 2168

HONR258J **Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts**

HONR258J Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Susan Dwyer MW 11:00am - 12:15pm	Seats (Total: 20) PLS 1111

HONR258O **Honors Seminar; The Kinesiological Bases of of Skilled Perfomance**

HONR258O Honors Seminar: The Kinesiological Bases of of Skilled Perfomance; (3 credits) Grade Method: REG.
Students must pay a $45 equipment fee.

0101	Seppo Iso-Ahola TuTh 2:00pm - 3:15pm	Seats (Total: 20) SPH 0305

HONR258T **Honors Seminar: Tools of Fiction: Literature and/as Creative Writing**

HONR258T Honors Seminar: Tools of Fiction: Literature and/as Creative Writing; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Dean Hebert TuTh 3:30pm - 4:45pm	Seats (Total: 20) ANA 0100

HONR258V **Honors Seminar: American Attitudes Toward Warfare and the Military**

HONR258V Honors Seminar: American Attitudes Toward Warfare and the Military; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	David Hogan	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	ANA 0100

HONR258W **Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues**

HONR258W Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, and Bisexual Issues; (3 credits) Grade Method: REG. CORE Diversity (D) Course.

0101	Robyn Zeiger	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	SPH 0142X

HONR258Z **Language, Identity and Diversity in the U.S.**

HONR258Z Language, Identity and Diversity in the U.S.; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Alene Moyer	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANA 0120

HONR259L **Thinking Strategically**

HONR259L Thinking Strategically; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	Daniel Vincent	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	HBK 0115

HONR259M **Honors Seminar: Metropolis: The Cinematic City**

HONR259M Honors Seminar: Metropolis: The Cinematic City; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Thomas Zaniello W 2:00pm - 5:00pm	Seats (Total: 20) HBK 0108

HONR259N **Honors Seminar: New Orleans: Colonial to Katrina**

HONR259N New Orleans: Colonial to Katrina; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Emily Landau TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1117

HONR268A **Honors Seminar: Financial Markets and the Business Environment**

HONR268A Honors Seminar: Financial Markets and the Business Environment; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Vojislav Maksimovic MW 11:00am - 12:15pm	Seats (Total: 20) KNI 1105

HONR268K **Honors Seminar: Beyond the Hype of Medical Miracles: Stem Cells, Gene Therapy, and Other Cutting-edge Medical Research**

HONR268K Honors Seminar: Beyond the Hype of Medical Miracles: Stem Cells, Gene Therapy, and Other Cutting-edge Medical Research; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Kenneth Frauwirth TuTh 3:30pm - 4:45pm	Seats (Total: 20) PLS 1113

HONR268L **Honors Seminar: United States Immigration Issues**

HONR268L Honors Seminar: United States Immigration Issues; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm	Seats (Total: 20) CSS 0201

HONR268R **Honors Seminar; Creative Expression and The Web**

HONR268R Honors Seminar: Creative Expression and The Web; (3 credits) Grade Method: REG.

0101	Elisabeth Kvernen	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 3332
	This section will meet in CSS MAC WAM Instructional Facility (#3332)	

HONR268W **Honors Seminar: Disability Studies: Stories, Law, and Social Policy**

HONR268W Honors Seminar: Disability Studies: Stories, Law, and Social Policy; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Sara Schotland	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	ANA 0120

HONR268X **Anna Karenina as a Window on Russia**

HONR268X Anna Karenina as a Window on Russia; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Mikhail Dolbilov	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	WDS 1130

HONR269A **Honors Seminar: Contemporary Arts and Ideas**

HONR269A Honors Seminar: Contemporary Arts and Ideas; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Ingrid Satelmajer	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ARC 1127

HONR269B **Honors Seminar: The Political Economy of International Cooperation**

HONR269B Honors Seminar: The Political Economy of International Cooperation; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Bartlomiej Kaminski TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 1118

HONR269E **Honors Seminar: Exploring Key Issues of Globalization**

HONR269E Honors Seminar: Exploring Key Issues of Globalization; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 20) EGR 3111

HONR269X **Honors Seminar: Faith in Science: Intersections between Science and Religion**

HONR269X Honors Seminar: Faith in Science: Intersections between Science and Religion; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Rajarshi Roy TuTh 2:00pm - 3:15pm	Seats (Total: 20) PLS 1176

HONR279E **Honors Seminar: Languages of Europe**

HONR279E Honors Seminar: Languages of Europe; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Robert De Keyser TuTh 2:00pm - 3:15pm	Seats (Total: 20) PLS 1130

HONR279F **Honors Seminar: The Problem of Time**

HONR279F Honors Seminar: The Problem of Time; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Mathias Frisch TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 1117

HONR279M **Honors Seminar: How does the Brain Speak? Insights from Neuroimaging and Brain Damage**

HONR279M Honors Seminar: How does the Brain Speak? Insights from Neuroimaging and Brain Damage; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Yasmeen Shah	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TYD 1108

HONR279O **Honors Seminar: Counterterrorism**

HONR279O Honors Seminar: Counterterrorism; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	John Newman	Seats (Total: 20)
	M 3:30pm - 6:00pm	ANA 0120

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Glenn Rahmoeller	Seats (Total: 20)
	M 2:00pm - 4:35pm	PLS 1164

HONR289C **Honors Seminar: History of Evolutionary Thought**

HONR289C Honors Seminar: History of Evolutionary Thought; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Michele Dudash	Seats (Total: 20)
	MW 10:00am - 11:15am	BPS 2249

HONR289Y **Novels and Who We Are**

HONR289Y Novels and Who We Are; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANA 0100

HONR299B **Honors Seminar: Internet Technologies in the Information Era**

HONR299B Honors Seminar: Internet Technologies in the Information Era; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Massimiliano Albanese MW 3:00pm - 4:15pm	Seats (Total: 20) EGR 0110

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits) Grade Method: REG.

0101	Edwin Smead W 3:30pm - 6:00pm	Seats (Total: 20) ANA 0120

HONR358A **Honors Practicum**
Contact department for information to register for this course.

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy M 2:30pm - 5:00pm	Seats (Total: 20) COL 0101

HONR368A **Advanced Honors Seminar; MGA Legislative Seminar**

HONR368A Advanced Honors Seminar: MGA Legislative Seminar; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL381.

0101	Thomas Lowderbaugh	Seats (Total: 30)	
	Tu 3:30pm - 6:00pm	TWS 0224	

HONR378I **Advanced Honors Seminar; Congressional Elections: Campaigning for Congress**

HONR378I Advanced Honors Seminar: Congressional Elections: Campaigning for Congress; (3 credits) Grade Method: REG.

0101	Paul Herrnson	Seats (Total: 20)	
	Tu 3:30pm - 6:00pm	TYD 1108	

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Fall 2010

INAG100 **Introduction to Plant Science**

0101	Kenneth Ingram	Seats (Total: 15)	
	MW 9:00am - 9:50am	JUL 1123	
	F 9:00am - 10:50am	JUL 1123	Lab

INAG102 **Business Operations**

0101	Theodore Streett	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	JUL 1123	

INAG103 **Agricultural Marketing**

INAG103 Agricultural Marketing; (3 credits) Grade Method: REG/AUD.
Formerly AGECI-7.

0101	Erin Pittman	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	JUL 1123	

INAG106 **Pesticide Use and Safety**
Contact department for information to register for this course.

INAG107 **Turfgrass Management**
Contact department for information to register for this course.

INAG111 **Written Communication**

0101	Glori Hyman	Seats (Total: 25)	
	MWF 12:00pm - 12:50pm	JUL 1123	

INAG120 **Equine Health Management**
Contact department for information to register for this course.

INAG199 **Special Problems**
Contact department for information to register for this course.

INAG201 **Personnel Management**

0101	Kenneth Ingram	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	JUL 1123	

INAG203 **Introduction to Finance**
Contact department for information to register for this course.

INAG218 **Landscape Construction**

INAG218 Landscape Construction; (3 credits) Grade Method: REG.

0101	Roy Walls	Seats (Total: 12)	
	W 1:00pm - 1:50pm	ANS 0504	
	W 2:00pm - 4:50pm	ANS 0504	Lab

INAG226 **Diseases of Ornamentals**
Contact department for information to register for this course.

INAG231 **Insects of Ornamentals/Turfgrass**
Contact department for information to register for this course.

INAG237 **Surveying and Applications in Agriculture**

0101	Roy Walls	Seats (Total: 10)	
	W 10:00am - 10:50am	ANS 0504	
	F 11:00am - 11:50am	ANS 0504	
	M 10:00am - 11:50am	ANS 0504	Lab

INAG240 **Professional Development**

0101	Glori Hyman	Seats (Total: 20)	
	M 2:00pm - 3:50pm	JUL 1123	

INAG242 **Golf Course Design and Construction**

INAG242 Golf Course Design and Contruction; (3 credits) Grade Method: REG.

0101	Kenneth Ingram	Seats (Total: 10)	
	TuTh 8:00am - 8:50am	JUL 1123	
	W 2:00pm - 3:50pm	JUL 1123	Lab

INAG299A **Supervised Work Experience; Internship I**
Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**
Contact department for information to register for this course.

INFM Information Management Fall 2010

INFM289I **Social Networking: Technology and Society**

INFM289I Social Networking: Technology and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.provost.umd.edu/GenEd2009/ Click here for more course information.

0101	Jennifer Golbeck	Seats (Total: 60)	
	TuTh 3:30pm - 4:45pm	TWS 1100	

INFM289J **Social Media Campaigns for the Well-being of Humankind**

INFM289J Social Media Campaigns for the Well-being of Humankind; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Dave Yates MW 2:00pm - 3:15pm	Seats (Total: 60) JMP 3201	

INFM289K **The Ethics of Information Technology in a Multicultural World**

INFM289K The Ethics of Information Technology in a Multicultural World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Kenneth Fleischmann Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) KEY 1117 EGR 1102	 Discussion
0102	Kenneth Fleischmann Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 30) KEY 1117 HBK 0123	 Discussion

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD. Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Raymond Paquette Class time/details on ELMs	Seats (Total: 33) ONLINE	
0201	Bo Xie Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119	

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC 690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

0101	Vedat Diker M 6:00pm - 8:45pm	Seats (Total: 30) PLS 1129

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Kenneth Fleischmann Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119
0201	Stephen Hannestad W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

0101	Ping Wang Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109

INFM700 **Information Architecture**

INFM700 Information Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or permission of instructor. Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

0101	Paul Jacobs	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	PLS 1111

INFM706 **Project Management**

INFM706 Project Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM 600, INFM 603 and INFM 605; or permission of instructor. Management of projects through planning and execution of life cycle phases. Includes estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, tracking, control and other aspects of successful project completion.

0101	Bruce Dearstyne	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INFM718A **Selected Topics in Information Management; Seminar in Decision Making**

INFM718A Selected Topics in Information Management: Seminar in Decision Making; (3 credits) Grade Method: REG/AUD.
Also offered as LBSC715.

0101	Vedat Diker	Seats (Total: 16)
	Class time/details on ELMs	ONLINE

INFM718L **Selected Topics in Information Management; Database Design**

INFM718L Selected Topics in Information Management: Database Design; (1-3 credits) Grade Method: REG/AUD.

0101	Pengyi Zhang	Seats (Total: 25)
	Tu 5:30pm - 8:15pm	HBK 0103

INFM718V **Selected Topics in Information Management; Organizational and Business Process Modeling**

INFM718V Selected Topics in Information Management: Organizational and Business Process Modeling; (3 credits) Grade Method: REG/AUD.

0101	Vedat Diker	Seats (Total: 30)
	W 1:00pm - 3:45pm	HBK 2119

INFM718Y **Selected Topics in Information Management; Knowledge Management for Emergency Management**

INFM718Y Selected Topics in Information Management: Knowledge Management for Emergency Management; (3 credits) Grade Method: REG/AUD.

0101	Stephen Hannestad	Seats (Total: 30)
	Th 2:00pm - 4:45pm	HBK 4113

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM732 **Information Audits and Environmental Scans**

INFM732 Information Audits and Environmental Scans; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM600 and INFM605. Not open to students who have completed INFM730 and/or INFM731. Credit will be granted for only one of the following: INFM730, INFM731, or INFM732. Techniques to assess the information needs of an organization to meet its strategic objectives. Methods of identifying information sources and gaps and of scanning the internal and external environment to identify changes that affect the organization. Application of information audits and environmental scans in strategic information management.

0101	Taverekere Srikantaiah	Seats (Total: 30)
	Sa 9:30am - 12:15pm	HBK 0109
	Sa 1:15pm - 3:45pm	HBK 0109
	Class will meet September 11 and 25; October 9 and 23; November 6 and 20; and December 4.	

INFM736 **Information Management Team Experience**

INFM736 Information Management Team Experience; (3 credits) Grade Method: S-F.
Prerequisite: permission of instructor and department. Corequisite: INFM 737. Required in students's last semester. Information issues within organizational frameworks. Integrated, team-based, experiential learning opportunity. This is a group independent study.

0101	Stephen Hannestad	Seats (Total: 12)
	Contact instructor or department for details.	

INFM737 **Solving Problems in Information Management**

INFM737 *(PermReq)* **Solving Problems in Information Management; (3 credits)** Grade Method: S-F.
Corequisite: INFM 736. Required in student's last semester. In-depth problem analysis and resolution derived from and contributing to INFM 736. Independent study.

0101	Raymond Paquette	Seats (Total: 15)
	Contact instructor or department for details.	

INFM741 **Social Computing Technologies and Applications**

INFM741 Social Computing Technologies and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 and INFM605 or permission of instructor. Tools and techniques for developing and configuring social computing applications. Theories and paradigms for social computing. Strengths and limitations of different application styles and types. Evolution of applications as responses to social computing challenges. Information and organizational systems co-development.

0101	Dave Yates	Seats (Total: 29)
	Th 2:00pm - 4:45pm	HBK 0103

INFM743 **Development of Internet Applications**

INFM743 Development of Internet Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or LBSC690 or equivalent. Mark up languages and methods for manipulating marked-up content. Techniques for adding interactivity to web pages. Installing and running servers. Server-side applications. Application programming interfaces for third-party content and tools. Extension development.

0101	Nelson Padua-Perez Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0108	

ISRL Israel Studies Fall 2010

ISRL282 **Introduction to Israeli Cinema**

ISRL282 Introduction to Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A comprehensive survey of Israeli cinema from its origins in pre-state Palestine to contemporary Israeli productions focusing on feature films, with particular emphasis on the social, political, and historical contexts in which Israeli films were produced. Special attention will be given to the development of skills in writing critical essays.

FC01	Eric Zakim TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.This course will take pla ce in the Hornbake 0300, Room H.*	Seats (Total: 20) HBK 0300	

ISRL289I **The Israeli/Palestinian Conflict: Fundamental Questions**

ISRL289I The Israeli/Palestinian Conflict: Fundamental Questions; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Paul Scham MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 15) TYD 2109 HZF 0142	 Discussion
0102	Paul Scham MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 15) TYD 2109 TWS 1105	 Discussion

0103	Paul Scham MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 15) TYD 2109 ARC 1103	 Discussion
0104	Paul Scham MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 15) TYD 2109 ARC 1123	 Discussion

ISRL342 **History of Zionism and the State of Israel**

ISRL342 History of Zionism and the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST376 and JWST342.

0101	Yoram Peri MW 2:00pm - 3:15pm	Seats (Total: 60) TYD 2109

ISRL349T **Investigating Topics in Israel Studies; The Transformation of the Israeli Narrative seen in Cultural Texts since 1948**

ISRL349T Investigating Topics in Israel Studies: The Transformation of the Israeli Narrative seen in Cultural Texts since 1948; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HEBR498W. Taught in English. A study of Israel's evolution from 1948 through today as shown in novels, short stories, films, plays, TV shows, poems and songs; and examine how they relate to the Israeli political narrative. Click here for additional course information.

0101	Yuval Benziman TuTh 12:30pm - 1:45pm	Seats (Total: 40) SQH 1117

ISRL448B **Seminar in Israel Studies; Israeli Society**

ISRL448B Seminar in Israel Studies: Israeli Society; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SOCY498O. Israel's cultural diversity and the multiple identities that characterize it, including issues such as immigration, consequences of Israel as the Jewish nation/state, religion, and the various groups that make up the society. Click here for additional course information.

0101	Pnina Peri MW 4:00pm - 5:15pm	Seats (Total: 20) HBK 0109

ISRL449F **Advanced Topics in Israel Studies; Society, Politics, and Mass Media in Israel**

ISRL449F Advanced Topics in Israel Studies: Society, Politics, and Mass Media in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as COMM498F and JOUR458F. Credit will be granted for one of the following COMM498F, ISRL449F or JOUR458F. Click here for additional course information.

0101	Anat First MW 11:00am - 12:15pm	Seats (Total: 40) TWS 0207

ITAL Italian Fall 2010

ITAL103 **Intensive Elementary Italian**

ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed more than two years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL103 or ITAL121. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Maria Fleri TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) JMZ 0125 HBK 0105
0201	Maria Fleri TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 1224 HBK 0105
0301	Carla Guglielmino MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0105
0401	Carla Guglielmino MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0105

ITAL121 **Accelerated Italian I**

ITAL121 Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL103 or ITAL121. An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement. Also offered as ITAL 121H.

0101	Stefania Amodeo	Seats (Total: 25)	
	MWF 9:00am - 9:50am	JMZ 3120	

ITAL121H **Accelerated Italian I**

ITAL121H Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL103 or ITAL121. For general honors students only. Also offered as ITAL 121.

0101	Stefania Amodeo	Seats (Total: 25)	
	MWF 9:00am - 9:50am	JMZ 3120	

ITAL122 **Accelerated Italian II**
Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**
Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD.
CORE Humanities (HO) Course.
Prerequisite: ITAL103 or equivalent. Not open to students who have completed ITAL122, four years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Maria Fleri	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	JMZ 0125	
	W 12:00pm - 12:50pm	HBK 0115	Discussion

0201	Joseph Falvo MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3120 JMZ 1117

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122, or permission of department. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Joseph Falvo MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0120

ITAL211 **Intermediate Conversation**

ITAL211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or permission of department. Not open to fluent/native speakers of Italian. Practice in spoken Italian based on reading and listening exercises in a variety of genres. Written assignments and exams.

0101	Stefania Amodeo MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1224

ITAL261 **Cuisine, Culture, and Society in Italy Yesterday and Today**

ITAL261 Cuisine, Culture, and Society in Italy Yesterday and Today; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL204 or permission of department. This course will expose students to an important aspect of Italian culture. The art of gastronomy. Taught entirely in Italian, the course is intended to give students an in-depth understanding of the close relationship between food and culture, while enriching their knowledge of the Italian language through reading and analysis of various texts which deal with the preparation and adaptation of Italian food in different cultural settings.

0101	Stefania Amodeo MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2122

ITAL301 **Italian Composition**

ITAL301 Italian Composition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ITAL207 or equivalent.* Techniques of composition; grammatical analysis; various genres; vocabulary.

0101	Joseph Falvo	Seats (Total: 20)
	MWF 2:00pm - 2:50pm	JMZ 1117

ITAL306 **Commercial Italian I**

Contact department for information to register for this course.

ITAL361 **Survey of Italian Society and Culture: From Fascism to the Seventies**

ITAL361 Survey of Italian Society and Culture: From Fascism to the Seventies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL207. Development of Italian society and culture from Fascism to the 1970's. Literature, cinema, economy, popular culture, and daily life. Taught in Italian.

0101	Silvia Carlorosi	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	HBK 0302H

ITAL386 **Experiential Learning**

ITAL386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 Directed Study in Italian; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL421 **The Italian Renaissance**

Contact department for information to register for this course.

ITAL431 **Italian Civilization in Translation**
Contact department for information to register for this course.

ITAL471 **Italian Cinema: A Cultural Approach in Translation**
Contact department for information to register for this course.

ITAL475 **The Italian Opera Libretto in English**
Contact department for information to register for this course.

ITAL478Q **Colloquium in Italian; Cinematic Views**

ITAL478Q Colloquium in Italian: Cinematic Views; (1 credit) Grade Method: REG/P-F/AUD.

0101	Silvia Carlorosi	Seats (Total: 10)
	Tu 3:30pm - 4:15pm	HBK 0302E

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: four courses at 400-level in Italian; permission of department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL498 **Special Topics in Italian Literature**

ITAL498 Special Topics in Italian Literature; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 Special Topics in Italian Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499Q **Special Topics in Italian Studies; Cinematic Views of Italy's Southern Question**

ITAL499Q Special Topics in Italian Studies: Cinematic Views of Italy's Southern Question; (3 credits) Grade Method: REG/P-F/AUD.
This course is taught in English. Click here fro more course information.

0101	Silvia Carlorosi TuTh 2:00pm - 3:15pm	Seats (Total: 25) HBK 0302H	

JAPN Japanese Fall 2010

JAPN101 **Elementary Japanese I**

Students with previous knowledge of Japanese who have not yet enrolled in a Japanese language course at UMCP must contact the Japanese program for a placement test prior to the first day of classes.
JAPN101 Elementary Japanese I; (6 credits) Grade Method: REG.
Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana). This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Rika Seya MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1120 JMZ 0205	
0201	Makiko Inoue MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2123 JMZ 3120	 Discussion
0301	Rika Seya MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3122 JMZ 0118	
0401	Kumiko Akikawa MWF 12:00pm - 12:50pm TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0120 JMZ 0205	

0501	Kazuo Yaginuma MWF 12:00pm - 12:50pm TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1226 JMZ 1120

JAPN201 **Intermediate Japanese I**

JAPN201 Intermediate Japanese I; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: a grade C (2.0) or better in JAPN102 or permission of instructor.
Contemporary spoken and written Japanese.

0101	Etsuko Yamakita MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3118
0201	Kazuo Yaginuma MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 0122
0301	Makiko Inoue MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 3118

JAPN301 **Advanced Japanese I**

JAPN301 Advanced Japanese I; (6 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN202 or permission of instructor.
Advanced conversation, oral comprehension, and selected readings.

0101	Eiko Miura MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 2125
0201	Eiko Miura MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 2125
0301	Etsuko Yamakita MWF 11:00am - 11:50am MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 1124 JMZ 1124

JAPN386 **Experiential Learning**

JAPN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

JAPN401 **Readings in Modern Japanese Literature**

JAPN401 Readings in Modern Japanese Literature; (3 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN302 or permission of instructor. Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn primarily from modern literature.

0101	Leslie Winston	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 3205

JAPN411 **Introduction to Classical Japanese**

JAPN411 Introduction to Classical Japanese; (3 credits) Grade Method: REG.
Prerequisite: JAPN302 or equivalent. Classical Japanese grammar and the varied styles of classical Japanese. Readings in classical texts drawn from the Heian, Kamakura, Muromachi, and Edo periods.

0101	Satoko Naito	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 1124

JAPN414 **Masterpieces of Classical Japanese Literature in Translation**

JAPN414 Masterpieces of Classical Japanese Literature in Translation; (3 credits) Grade Method: REG.
Major classics, with focus on philosophical, historical and cultural backgrounds.

0101	Satoko Naito	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	JMZ 2206

JAPN428B **Seminar in Japanese Discourse and Conversation Analysis; Japanese Business Discourse from a Cross-Cultural Perspective**

JAPN428B Seminar in Japanese Discourse and Conversation Analysis: Japanese Business Discourse from a Cross-Cultural Perspective; (3 credits)
Grade Method: REG.
Prerequisite: Grade of C or better in Japn 302 or equivalent. Click here for more course information.

0101	Lindsay Yotsukura	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 0208

JAPN498B **Japan from the Margins**

JAPN498B Japan from the Margins; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Click here for further course information.

0101	Michele Mason	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 3205

JAPN499 **Directed Study in Japanese**

JAPN499 Directed Study in Japanese; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Fall 2010

JOUR100 **Professional Orientation**

JOUR100 Professional Orientation; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed JOUR101. Credit will be granted for only one of the following: JOUR100 or JOUR101. Formerly JOUR101.* Survey of journalism professions, emphasizing appropriate academic and career development strategies. This course is restricted to JOUR students admitted for the Fall. Other students should register for the course in the Spring.

0101	Penny Fuchs	Seats (Total: 150)
	M 2:00pm - 2:50pm	EGR 1202

JOUR150 **Introduction to Mass Communication**

JOUR150 Introduction to Mass Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Not open to students who have completed JOUR100 prior to Fall 1999. Credit will be granted for only one of the following: JOUR100 or JOUR150. Formerly JOUR100.
Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.

0101	Arielle Emmett TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1208	

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course.
Not applicable toward journalism major. An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) PHY 1412 KNI 1103	 Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) PHY 1412 HBK 1108	 Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) PHY 1412 EDU 0206	 Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) PHY 1412 KNI 1103	 Discussion
0501	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) PHY 1412 KNI 1105	 Discussion

0601	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) PHY 1412 PLS 1146	 Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 25) PHY 1412 PLS 1146	 Discussion
0801	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 25) PHY 1412 PLS 1115	 Discussion

JOUR181 **Grammar for Journalists**

JOUR181 *(PermReq)* **Grammar for Journalists; (1 credit)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. Credit will be granted for only one of the following: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism. Pre or Corequisite: Jour 100 or permission of department.

0101	Linda Coleman W 2:00pm - 2:50pm	Seats (Total: 130) EGR 1202

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F.

0101	Penny Fuchs Contact instructor or department for details.	Seats (Total: 20)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 *(PermReq)* **Journalism History, Roles and Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. For JOUR majors only. Introduction to the study of journalism from the standpoint of media history and sociology. Also intended for students planning on pursuing a Journalism Major. Non-journalism majors should contact the College of Journalism at (301) 405-2399 for permission to register.

0101	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1105
0201	John Kirch TuTh 2:00pm - 3:15pm	Seats (Total: 30) KNI 1208
0301	John Kirch TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 3202

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR100. Grammar competency demonstrated by a grade of C (2.0) or better in JOUR181 or a score of 52 or higher on the TSWE and permission of department. Sophomore standing. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. For students intending to be journalism majors.

0101	Karen Denny TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2107
0201	Myron Beckenstein TuTh 2:00pm - 3:50pm	Seats (Total: 18) KNI 2107
0301	Rob Wells TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107
0401	Perry Bacon TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0501	Alan Goldenbach MW 8:00am - 9:50am	Seats (Total: 18) KNI 2107
0601	Robert Doherty MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103
0701	Kimberly Davis TuTh 4:00pm - 5:50pm	Seats (Total: 18) KNI 2107

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Copy editing, graphic principles and processes, new media technology. JOUR203 is a pre- or corequisite.

0101	Robert Grover MW 10:00am - 11:50am	Seats (Total: 18) KNI 2105
0201	Jay Goldman TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103
0301	Diana Huffman TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2105

JOUR203 **Introduction to Multimedia Skills**

JOUR203 *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. For JOUR majors only. Credit will be granted for only one of the following: JOUR203 or JOUR328G. Examining the basics of producing and editing digital photos, video, and audio. Topics inlcude: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Jeffrey Young, James McIntyre, Amy Morris, Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2103
0201	Timothy Jacobsen, Jeffrey Young, James McIntyre, Amy Morris F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2107
0301	Megan Rossman W 5:00pm - 7:45pm	Seats (Total: 18) KNI 1101

JOUR240 **Advertising in America**

JOUR240 Advertising in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed JOUR340. Credit will be granted for only one of the following: JOUR240 or JOUR340. Formerly JOUR340. Survey of the history, regulation and organization of advertising; advertising strategies and effects.

0101	Eric Zanot TuTh 9:30am - 10:45am	Seats (Total: 25) KNI 1105	

JOUR262 **News Editing for Broadcast**

JOUR262 *(PermReq)* **News Editing for Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in JOUR201 and permission of department. Credit will be granted for only one of the following: JOUR202B or JOUR262. Principles and processes of broadcast newsroom editing. Also offered as JOUR503. Prerequisite: JOUR203.

0101	Albert Calogero MW 7:00pm - 8:50pm TBA	Seats (Total: 13) KNI 1105 TWS 0117	 Lab
0201	Stanley Heist TuTh 7:00pm - 8:50pm TBA	Seats (Total: 13) KNI 1105 TWS 0117	 Lab
0301	Stanley Heist TuTh 5:00pm - 6:50pm TBA	Seats (Total: 13) KNI 1105 TWS 0117	 Lab

JOUR289I **Information 3.0: Exploring Technological Tools**

JOUR289I Information 3.0: Exploring Technological Tools; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Ronald Yaros TuTh 11:00am - 12:15pm	Seats (Total: 60) KNI 1208

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. For JOUR majors only. Examination of ethical problems in news writing and reporting.

0101	Christopher Hanson MW 2:00pm - 3:15pm	Seats (Total: 20) KNI 1105
0201	Tamara Cooke Henry Th 7:15pm - 10:00pm	Seats (Total: 20) KNI 1103
0401	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 15) KNI 1103

JOUR320 **News Writing and Reporting II: Print**

JOUR320 *(PermReq)* **News Writing and Reporting II: Print; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.

0101	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0201	Thomas Frank TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2107
0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR326 prior to January 1, 1992. Formerly JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 1206

JOUR325 **Capital News Service Bureau**

JOUR325 *(PermReq)* **Capital News Service Bureau; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Advanced journalism training. Students report as part of College's Capital News Service program. Section 0101 meets in the National Press Building, Washington, DC. Section 0201 meets in the CNS Bureau, Annapolis, MD. Also offered as JOUR 625. Contact Assistant Dean Steve Crane to obtain permission.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Studens will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore. Students will use Baltimore as a working laboratory to report on ubran issues. Course meets in Baltimore.

0101	Sandra Banisky F 11:00am - 1:45pm	Seats (Total: 5) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320. Contact department to obtain permission.

0101	George Solomon, Joshua Madden W 12:00pm - 2:45pm	Seats (Total: 15) KNI 1206

JOUR328G **Special Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR328G *(PermReq)* **Special Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/P-F/AUD. A digital camera will be used for a portion of the course. Students may be required to rent or purchase a digital camera. Contact department for camera specifications. Course shared with JOUR628G. Prerequisite: JOUR320.

0101	Jeffrey Young, Amy Morris, James McIntyre, Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2105

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320.

0101	Sarah Schaffer Tu 5:00pm - 7:45pm	Seats (Total: 18) KNI 2105

JOUR350 **Multimedia Presentation**

JOUR350 *(PermReq)* **Multimedia Presentation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of 'C' (2.0) or better in JOUR202 or JOUR262. Credit will be granted for only one of the following: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) KNI 2105
0301	Robert Yuill MW 12:00pm - 1:50pm	Seats (Total: 18) KNI 2103

JOUR352 **Online Journalism**

JOUR352 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR202 or JOUR262. For JOUR majors only.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Leslie Walker W 1:00pm - 3:45pm	Seats (Total: 17) KNI 2105
0201	Alexandra Newman MW 7:00pm - 8:15pm	Seats (Total: 18) KNI 2105
0301	Dorothy Amatucci M 7:00pm - 9:45pm	Seats (Total: 12) KNI 1101
0401	Jacqueline Zajac Tu 7:00pm - 9:45pm	Seats (Total: 12) KNI 1101

JOUR353 **News Bureau: Multimedia Reporting**

JOUR353 *(PermReq)* **News Bureau: Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352, permission of department and JOUR320 or JOUR360. Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Students report and write for an online magazine. Students must contact the instructor for permission to register for the course.

0101	Christine Harvey TuTh 9:30am - 5:30pm	Seats (Total: 4) KNI 3207

JOUR354 **Interactive Multimedia Storytelling**

JOUR354 *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR352. For JOUR majors only. Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Kristen Novak TuTh 8:00am - 9:15am	Seats (Total: 8) KNI 1101	

JOUR355 **News Bureau: Multimedia Editing and Production**

JOUR355 *(PermReq)* **News Bureau: Multimedia Editing and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: (JOUR202 or JOUR262) and (JOUR320 or JOUR360) and JOUR352; and permission of department. Advanced online journalism training. Students work as multimedia editors and producers for an online newsmagazine, building interactive content and special reports. Contact instructor to obtain permission.

0101	Christine Harvey F 9:00am - 5:00pm	Seats (Total: 4) KNI 3207	

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Writing and reporting for broadcast media: production of news stories.

0101	Audrey Barnes M 12:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 18) KNI 2107 KNI 2107	 Lab
0102	Michael Stafford-Walter M 4:00pm - 5:50pm W 4:00pm - 4:50pm	Seats (Total: 18) KNI 2105 KNI 2105	 Lab

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Due to rigorous fieldwork requirement, plan your schedule accordingly. JOUR 262 is strongly recommended.

0101	Cassandra Clayton M 12:00pm - 2:45pm	Seats (Total: 10) ASY 3221	
0102	Cassandra Clayton M 3:00pm - 5:45pm	Seats (Total: 10) TWS 0117	

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360;. Pre- or corequisite: JOUR361. Credit will be granted for only one of the following: JOUR362 or JOUR368B. Formerly JOUR368B. Producing TV news.

0102	Cindy Wright Tu 7:00pm - 9:00pm Tu 1:00pm - 6:00pm	Seats (Total: 2) KNI 1103 TWS 0117	 Lab
0103	Cindy Wright Tu 7:00pm - 9:00pm W 1:00pm - 6:00pm	Seats (Total: 2) KNI 1103 TWS 0117	 Lab
0104	Cindy Wright Tu 7:00pm - 9:00pm Th 1:00pm - 6:00pm	Seats (Total: 2) KNI 1103 TWS 0117	 Lab
0105	Cindy Wright Tu 7:00pm - 9:00pm F 1:00pm - 6:00pm	Seats (Total: 2) KNI 1103 TWS 0117	 Lab

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361 and permission of department. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program. Also offered as JOUR667. Contact Assistant Dean Steve Crane to obtain permission.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 8)

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360, or permission of department.

0101	Greg Toland MW 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 12) KNI 1103

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360. Also open to students who have completed JOUR320. The basics of photography and telling stories through images. An examination of composition, lighting, camera technique and the ethicaland legal issues facing photographers. Students may be required to rent or purchase a digital camera. Contact department for camera specifications.

0101	John Davidson TuTh 3:30pm - 4:45pm	Seats (Total: 14) KNI 2103
0201	John Davidson TuTh 5:00pm - 6:15pm	Seats (Total: 14) KNI 2103

JOUR368R **Topics in Broadcast and Electronic Media; Radio Broadcasting**

JOUR368R *(PermReq)* **Topics in Broadcast and Electronic Media: Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360 and permission of department.

0101	Merrilee Cox TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 13) KNI 1101

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Research and writing feature articles. Majors only.

0301	Marlene Cimons	Seats (Total: 18)
	Tu 6:30pm - 7:45pm	KNI 1206
	Th 6:30pm - 7:45pm	KNI 1101

JOUR380 **Science Writing for News Media**

JOUR380 *(PermReq)* **Science Writing for News Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of department. Writing of scientific and technical material for the general audience. Meeting space shared with JOUR680.

0101	Carol Rogers	Seats (Total: 10)
	Tu 6:00pm - 8:45pm	KNI 2109

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship; (1 credit)** Grade Method: REG. Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in JRN 1117, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted.

0101	Penny Fuchs	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360 or JOUR501. Junior standing. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required. Restricted to students having earned at least 60 credits. JOUR 400 is also offered during the summer. For more information consult the summer Schedule of Classes.

0101	Deborah Nelson MW 4:00pm - 5:15pm	Seats (Total: 50) KNI 1208
0201	Sandra Banisky MW 4:00pm - 5:15pm	Seats (Total: 25) KNI 1105

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101	Eric Zanot W 1:00pm - 4:00pm	Seats (Total: 14) KNI 1103

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Also offered as WMST452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers TuTh 3:30pm - 4:45pm	Seats (Total: 20) KNI 1208

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans. Also offered as AASP 499N.

0101	Tamara Cooke Henry	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	KNI 1105

JOUR458F **Special Topics in Journalism; Society, Politics and Mass Media in Isreal**

JOUR458F Special Topics in Journalism: Society, Politics and Mass Media in Isreal; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as COMM498F and ISRL449F. Credit will be granted for one of the following COMM498F, ISRL449F or JOUR458F.

0101	Anat First	Seats (Total: 40)
	MW 11:00am - 12:15pm	TWS 0207

JOUR458G **Special Topics in Journalism; Sports Journalism and Social Change**

JOUR458G Special Topics in Journalism: Sports Journalism and Social Change; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kevin Blackistone	Seats (Total: 15)
	TuTh 9:30am - 10:45am	KNI 1103

JOUR459L **Special Topics in Journalism; European Mass Media**
Contact department for information to register for this course.

JOUR459V **Special Topics in Journalism; Media and International Affairs**
Contact department for information to register for this course.

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Haynes Johnson M 9:00am - 11:50am	Seats (Total: 10) KNI 1206

JOUR470 **Journalism and Public Communication Research**

JOUR470 *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A university statistics course. Students are encouraged to have completed the theory and skills courses in their major sequence. Credit will be granted for only one of the following: JOUR470 or JOUR477. Formerly JOUR477. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 2107

JOUR472 **Computer-Assisted Reporting**

JOUR472 *(PermReq)* **Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR328. Credit will be granted for only one of the following: JOUR328 or JOUR472. Formerly JOUR328. Computer and online data acquisition; analytical methods for writing and reporting news. Contact the instructor to obtain permission.

0101	Elliot Jaspin MW 12:00pm - 1:50pm	Seats (Total: 14) KNI 1101

JOUR479B **Special Topics in Data Gathering and Analysis; Investigating Finance**

JOUR479B *(PermReq)* **Special Topics in Data Gathering and Analysis: Investigating Finance; (3 credits)** Grade Method: REG.

0101	Robert Matthews Th 7:00pm - 9:45pm	Seats (Total: 16) KNI 1206

JOUR479G **Special Topics in Data Gathering and Analysis; Historiography of Broadcasting**

JOUR479G *(PermReq)* **Special Topics in Data Gathering and Analysis: Historiography of Broadcasting; (3 credits)** Grade Method: REG.
Prerequisite: A university statistics course.

0101	James Baxter Tu 2:00pm - 3:30pm Th 2:00pm - 3:30pm	Seats (Total: 18) KNI 1101 HBK 3210

JOUR479N **Special Topics in Data Gathering and Analysis; Carnegie Research Seminar**

JOUR479N *(PermReq)* **Special Topics in Data Gathering and Analysis: Carnegie Research Seminar; (3 credits)** Grade Method: REG.
Students should contact the instructor, D. Nelson, for permission to register for the course. The Fall Carnegie Seminar explores the human force of immigration policy through classroom discussion, fieldwork and a reporting project on a local immigrant community. The course features lectures by experts from anthropology, political science, Latino culture and journalism. Click here for more course information http://ww w.merrill.umd.edu/masters/carnegie-seminar .

0101	Deborah Nelson M 6:00pm - 8:45pm	Seats (Total: 8) KNI 3202

JOUR501 **Fundamentals of Writing and Editing**

JOUR501 *(PermReq)* **Fundamentals of Writing and Editing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.

0101	Sandra Banisky MW 2:00pm - 3:50pm	Seats (Total: 18) KNI 2103
0201	Susan Levine MW 4:00pm - 5:50pm	Seats (Total: 12) KNI 2103

JOUR503 **Reporting for Broadcast News**

JOUR503 *(PermReq)* **Reporting for Broadcast News; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 501. Also offered as JOUR 262. Training in gathering and producing news for radio and television newcasts.

0101	Albert Calogero MW 7:00pm - 8:50pm TBA	Seats (Total: 13) KNI 1105 TWS 0117	 Lab
0201	Stanley Heist TuTh 7:00pm - 8:50pm TBA	Seats (Total: 13) KNI 1105 TWS 0117	 Lab
0301	Stanley Heist TuTh 5:00pm - 6:50pm TBA	Seats (Total: 13) KNI 1105 TWS 0117	 Lab

JOUR531 **Humphrey Seminar I**

JOUR531 *(PermReq)* **Humphrey Seminar I; (2 credits)** Grade Method: REG.
Prerequisite: Admission to Humphrey Fellow Program and permission of department. Introduction to journalism issues; American culture and government; and leadership training.

0101	Lucinda Fleeson F 10:00am - 1:00pm	Seats (Total: 12) PKT 1210

JOUR600 **Journalism Ethics**

JOUR600 Journalism Ethics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of ethical problems in journalism and the media industry. Course shares space with Jour300 section 0401.

0101	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 10) KNI 1103

JOUR601 **Theories of Journalism and Public Communication**

JOUR601 *(PermReq)* **Theories of Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Linda Steiner	Seats (Total: 16)
	Tu 4:15pm - 7:00pm	KNI 1103

JOUR610 **Seminar in Mass Media History**

JOUR610 Seminar in Mass Media History; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR610 or JOUR710. Formerly JOUR710. Analysis and discussion of the interrelationships between the mass media and society, including various social and cultural elements of modern society; responsibilities of the mass media and the mass communicator.

0101	Ira Chinoy	Seats (Total: 10)
	W 2:00pm - 5:00pm	KNI 2109

JOUR620 **Seminar in Public Affairs Reporting**

JOUR620 *(PermReq)* **Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 502 or equivalent.

0101	Carl Stepp	Seats (Total: 12)
	W 1:00pm - 3:45pm	KNI 1109

JOUR624 **Commentary and Editorial Writing**

JOUR624 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 624 or JOUR 628N. Formerly JOUR628N. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 1) KNI 1206

JOUR625 **Advanced Capital News Service Bureau**

JOUR625 *(PermReq)* **Advanced Capital News Service Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620 and permission of department. Credit will be granted for only one of the following: JOUR625 or JOUR729. Formerly JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Also offered as JOUR 325. Contact Assistant Dean Steve Crane to obtain permission.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR627 **Advanced Urban Affairs Reporting**

JOUR627 *(PermReq)* **Advanced Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and permission of department. Studens will use Baltimore as a working laboratory to report on urban issues. Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore. Prerequisite: JOUR501 and permission of department.

0101	Sandra Banisky F 11:00am - 1:45pm	Seats (Total: 5) Location: TBA

JOUR628B **Specialized Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR628B *(PermReq)* **Specialized Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/AUD.
Course shares space with JOUR328B.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 1) KNI 1206

JOUR628G **Specialized Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR628G *(PermReq)* **Specialized Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/AUD.

0101	Stanton Paddock F 12:00pm - 2:45pm	Seats (Total: 12) KNI 1101
PC01	Max Cacas, Christina Hughey, Timothy Jacobsen Sa 8:00am - 12:30pm	Seats (Total: 25) KNI 2105

For additional information, including exact meeting dates, please click here.

JOUR640 **Seminar in Advertising Communication**

JOUR640 Seminar in Advertising Communication; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 640 and JOUR 740. Formerly JOUR740. Role of advertising as a form of public communication in American society. Advertising and the firm; advertising and the economy; advertising and the individual; advertising and consumerism; advertising and the media.

0101	Eric Zanot W 1:00pm - 4:00pm	Seats (Total: 2) KNI 1103

JOUR652 **Online Journalism**

JOUR652 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 502, JOUR 503, or equivalent. For JOUR majors only. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

0301	Dorothy Amatucci M 7:00pm - 9:45pm	Seats (Total: 6) KNI 1101
0401	Jacqueline Zajac Tu 7:00pm - 9:45pm	Seats (Total: 7) KNI 1101

PC01	Sean Mussenden Sa 1:30pm - 6:00pm	Seats (Total: 20) KNI 2105
	For additional information, including exact meeting dates, please click here.	

JOUR654 **Advanced Interactive Multimedia Storytelling**

JOUR654 *(PermReq)* **Advanced Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR652 and permission of department. Learning and applying Flash and/or other interactive tools to assemble multiple media (i.e. graphics, video, etc.) to create interactive narratives.

0101	Kristen Novak TuTh 8:00am - 9:15am	Seats (Total: 4) KNI 1101

JOUR655 **Online News Bureau**

JOUR655 *(PermReq)* **Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 652 (or equivalent) and permission of department. Advanced online journalism training. Students work as online reporters, editors and producers for an online news magazine. Students also package copy from the print and broadcast news bureaus. Prerequisites: JOUR 620 and 652 or equivalent. Contact the instructor to obtain permission. Course shares space with JOUR355.

0101	Christine Harvey TBA	Seats (Total: 4) KNI 3207	Lab

JOUR661 **Television Reporting and Production**

JOUR661 Television Reporting and Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: JOUR 503 or equivalent. For JOUR majors only. Reporting, writing, editing and production of broadcast news.

0101	Cassandra Clayton M 12:00pm - 2:45pm	Seats (Total: 2) ASY 3221
0102	Cassandra Clayton M 3:00pm - 6:00pm	Seats (Total: 2) TWS 0117

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 503 (or equvialent) and permission of department. Advanced broadcast journalism training. Students report as part of the College's Captial News Service program. Also offered as JOUR367. Contact Assistant Dean Steve Crane to obtain permission.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 8)	

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast News Producing**

JOUR668B Topics in Broadcasting and Electronic Media: Broadcast News Producing; (3 credits) Grade Method: REG/AUD.

0102	Cindy Wright Tu 7:00pm - 9:00pm Tu 1:00pm - 6:00pm	Seats (Total: 1) KNI 1103 TWS 0117	 Lab
0103	Cindy Wright Tu 7:00pm - 9:00pm W 1:00pm - 6:00pm	Seats (Total: 1) KNI 1103 TWS 0117	 Lab
0104	Cindy Wright Tu 7:00pm - 9:00pm Th 1:00pm - 6:00pm	Seats (Total: 1) KNI 1103 TWS 0117	 Lab
0105	Cindy Wright Tu 7:00pm - 9:00pm F 1:00pm - 6:00pm	Seats (Total: 1) KNI 1103 TWS 0117	 Lab

JOUR680 **Science Communication**

JOUR680 Science Communication; (3 credits) Grade Method: REG/AUD.
Advanced professional training in science reporting and writing for the mass media and in technical communication to specialized audiences. Communication behaviors of scientists and audiences. Application of communication theory and the history and philosophy of science to science writing. Meeting space shared with JOUR380.

0101	Carol Rogers	Seats (Total: 5)
	Tu 6:00pm - 8:45pm	KNI 2109

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698D **Special Problems in Communication; CARNEGIE PRACTICUM**

JOUR698D *(PermReq)* **Special Problems in Communication: CARNEGIE PRACTICUM; (1 credit)** Grade Method: REG/AUD.

0101	Deborah Nelson	Seats (Total: 12)
	Contact instructor or department for details.	

JOUR698M **Special Problems in Communication; Media Transformation in the Digital Age: Explorations in Journalism, Technology and Digital Culture**

JOUR698M Special Problems in Communication: Media Transformation in the Digital Age: Explorations in Journalism, Technology and Digital Culture; (3 credits) Grade Method: REG/AUD.

0101	Kalyani Chadha	Seats (Total: 7)
	Th 9:00am - 11:45am	KNI 2109

JOUR698N **Special Problems in Communication; Carnegie Research Seminar**

JOUR698N Special Problems in Communication: Carnegie Research Seminar; (3 credits) Grade Method: REG.
Students should contact the insturctor, D. Nelson, for permission to register for the course.Also offered as ANTH688N. The Fall Carnegie Seminar explores the human face of immigration policy through classroom discussion, fieldwork and a reporting project on a local immigrant community. The course features lectures by experts from anthropology, political science, Latino culture and journalism. Click here for more c ourse information http://www.merrill.umd.edu/masters/carnegie-seminar.

0101	Deborah Nelson M 6:00pm - 8:45pm	Seats (Total: 8) KNI 3202
	Click here for more course information http://www.merrill.umd.edu/maste s/carnegie-seminar.	

JOUR700 **Seminar in Media Law**

JOUR700 *(PermReq)* **Seminar in Media Law; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Admission to journalism graduate program or permission of department. Credit will be granted for only one of the following: JOUR400,JOUR700 or JOUR755. Formerly JOUR755.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, and contempt, and other aspects of the law applied to mass communication.

0101	Diana Huffman TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 1105

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 620 and permission of department. Not open to students who have completed JOUR 462. Examination of theoretical and practical issues in the press coverage of government and public affairs.

0101	Haynes Johnson M 9:00am - 11:50am	Seats (Total: 8) KNI 1206

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR501 or equivalent. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects.

0101	Ira Chinoy MW 10:00am - 11:50am	Seats (Total: 15) KNI 2107

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR800 **Introduction to Doctoral Study in Journalism and Public Communication**

JOUR800 *(PermReq)* **Introduction to Doctoral Study in Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 700 or JOUR 800. Formerly JOUR700. Basic skills in journalism and public communication research.

0101	Linda Steiner W 11:00am - 1:45pm	Seats (Total: 10) KNI 2109

JOUR803 **Doctoral Colloquium**

JOUR803 Doctoral Colloquium; (3 credits) Grade Method: REG/AUD.

0101	Ronald Yaros F 10:00am - 12:45pm	Seats (Total: 9) KNI 1109

JOUR808B **Doctoral Colloquium; Teaching as a Transformative Enterprise**

JOUR808B *(PermReq)* **Doctoral Colloquium: Teaching as a Transformative Enterprise; (1 credit)** Grade Method: REG/AUD.

0101	Lee Thornton W 4:00pm - 6:00pm	Seats (Total: 5) KNI 1109

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Fall 2010

JWST234 **History of the Jewish People I**

JWST234 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST282. Credit will be granted for only one of the following: JWST234 or HIST282.* Political, economic, social, and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Hayim Lapin TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0103	Hayim Lapin TuTh 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SYM 0209	Discussion
0104	Hayim Lapin TuTh 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0121	Discussion
0106	Hayim Lapin TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion

JWST262 **The Hebrew Bible: Narrative**

JWST262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as ENGL262. Not open to students who have completed HEBR223. Credit will be granted for only one of the following: JWST262 or ENGL262. Formerly HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Robert Miller MW 2:00pm - 3:15pm	Seats (Total: 40) TWS 1107	

JWST270 **Fantasy and Supernatural in Jewish Literature**

JWST270 Fantasy and Supernatural in Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HONR219O, JWST219O, or JWST270. Formerly JWST219O. An examination of Jewish fantastical and supernatural literature from ancient to modern times, tracing how such stories have addressed essential questions of good and evil, power and powerlessness within a Jewish framework. Topics include intersections of Jewish and non-Jewish cultures. tech room required.

0101	Miriam Isaacs TuTh 9:30am - 10:45am	Seats (Total: 40) COL 0113

JWST283 **Intensive Elementary Yiddish I**

JWST283 Intensive Elementary Yiddish I; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM149Y or JWST282. Credit will be granted for only one of the following: GERM149Y, JWST282 or JWST283. An intensive introduction to the Yiddish language. Course covers one year of language instruction in one semester.

0101	Miriam Isaacs TuTh 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 18) PLS 1162

JWST342 **History of Zionism and the State of Israel**

JWST342 History of Zionism and the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST376. Credit will be granted for only one of the following: JWST342 or HIST376. Ideological and political factors leading to the establishment of a secular Jewish state in 1948; Zionist thought of Herzl, Ahad Haam, the socialist and religious Zionists, and the revisionists; diplomatic activities; Arab-Israel conflict; post-1948 Israeli society. Also offered as ISRL342.

0101	Yoram Peri MW 2:00pm - 3:15pm	Seats (Total: 60) TYD 2109

JWST381 **Introduction to Hebrew Cultural Studies**

JWST381 Introduction to Hebrew Cultural Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Not open to students who have completed HEBR381. Credit will be granted for only one of the following: HEBR381 or JWST381. Critical study of Israeli culture with special emphasis or literature film, and art as sites of struggle over political and social meaning during times of cultural transformation in Israel. Topics will focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew.

0101	Eric Zakim TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123

JWST409Z **Research Seminar in Jewish Studies; Moses in Modern Culture**

JWST409Z *(PermReq)* **Research Seminar in Jewish Studies: Moses in Modern Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Also offered as HEBR498Z.

0101	Eric Zakim Tu 3:30pm - 6:00pm *Taught in English.*	Seats (Total: 25) HBK 1108

JWST419G **Special Topics in Jewish Studies; Advanced Hebrew Grammar**

JWST419G Special Topics in Jewish Studies: Advanced Hebrew Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Language of instruction; Hebrew.

0101	Einat Gonen Class time/details on ELMs	Seats (Total: 30) ONLINE

JWST419M **Special Topics in Jewish Studies; Jewish Leadership**

JWST419M Special Topics in Jewish Studies: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDCP418F.

0101	Ari Israel TuTh 2:00pm - 3:15pm	Seats (Total: 30) ARC 1105

JWST429M **Advanced Topics in Jewish Studies; Medieval Jewish History**

JWST429M Advanced Topics in Jewish Studies: Medieval Jewish History; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST419R.

0101	Bernard Cooperman TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126

JWST429P **Advanced Topics in Jewish Studies; Culture and Identity in Jewish and Hebrew Education**

JWST429P Advanced Topics in Jewish Studies: Culture and Identity in Jewish and Hebrew Education; (3 credits) Grade Method: REG/P-F/AUD.

0101	Avital Feuer M 6:00pm - 8:30pm	Seats (Total: 30) HZF 0101

JWST429Q **Advanced Topics in Jewish Studies; Dead Sea Scrolls**

JWST429Q Advanced Topics in Jewish Studies: Dead Sea Scrolls; (3 credits) Grade Method: REG/P-F/AUD.

0101	Maxine Grossman W 4:00pm - 6:30pm	Seats (Total: 40) HZF 0142

JWST459C **Readings in Medieval Hebrew; Biblical Exegesis**

JWST459C Readings in Medieval Hebrew: Biblical Exegesis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of department. Also offered as HIST419T.

0101	Bernard Cooperman TuTh 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 18) KEY 1117

JWST499 **Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST609 **Supervised Instruction-Practicum in Jewish Studies**

JWST609 Supervised Instruction-Practicum in Jewish Studies; (1 credit) Grade Method: S-F.

0110	Avital Feuer	Seats (Total: 5)
	Contact instructor or department for details.	

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST619P **Directed Readings in Jewish Studies; Culture and Identity in Jewish and Hebrew Education**

JWST619P Directed Readings in Jewish Studies: Culture and Identity in Jewish and Hebrew Education; (3 credits) Grade Method: REG.

0101	Avital Feuer	Seats (Total: 5)
	M 6:00pm - 8:30pm	HZF 0101

JWST678Z **Readings in Jewish Literature; Moses in Modern Culture**

JWST678Z *(PermReq)* **Readings in Jewish Literature: Moses in Modern Culture; (3 credits)** Grade Method: REG.
Taught in English.

0101	Eric Zakim	Seats (Total: 5)
	Tu 3:30pm - 6:00pm	HBK 1108

JWST699 **Independent Graduate Readings in Jewish Studies**

JWST699 Independent Graduate Readings in Jewish Studies; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES Kinesiology Fall 2010

KNES100N **Physical Education Activities: Coed; Basketball (Beginning)**

KNES100N Physical Education Activities: Coed: Basketball (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	Matthew Miller **Meets August 30, 2010 - October 15, 2010** TuTh 8:00am - 10:00am *Meets first 7 weeks.*	Seats (Total: 36) ERC 0135	 Lab
0002	Michael Marini **Meets October 18, 2010 - December 10, 2010** TuTh 8:00am - 10:00am *Meets second 7 weeks.*	Seats (Total: 36) ERC 0135	 Lab

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KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Matthew Miller MW 12:00pm - 2:00pm	Seats (Total: 36) ERC 0135	 Lab
0002	Ronald Mower TuTh 2:00pm - 4:00pm	Seats (Total: 36) ERC 0135	 Lab
0003	Andrew Venezia MW 10:00am - 12:00pm	Seats (Total: 36) ERC 0135	 Lab
0004	Ronald Mower TuTh 12:00pm - 2:00pm	Seats (Total: 36) ERC 0135	 Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.

0001	Jessica Oldham TuTh 2:00pm - 4:00pm	Seats (Total: 40) COL 1100D	 Lab

KNES131V **Physical Education Activities: Coed; Jogging (BEGINNING)**

KNES131V Physical Education Activities: Coed: Jogging (BEGINNING); (2 credits) Grade Method: REG/P-F.
For a 2-credit combination activity and lecture option, see KNES289W. Attendance is required of all students beginning the first day of class.

0001	Kristin Cipriani MW 2:00pm - 4:00pm	Seats (Total: 60) COL 1100D	 Lab
0002	Jessica Oldham TuTh 12:00pm - 2:00pm	Seats (Total: 60) COL 1100D	 Lab

KNES131Z **Physical Education Activities: Coed; Softball**

KNES131Z Physical Education Activities: Coed: Softball; (1 credit) Grade Method: REG/P-F.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the Terp Fields. Schedule adjustment is the first week of class only.

0001	Samuel English **Meets August 30, 2010 - October 15, 2010** TuTh 10:00am - 12:00pm	Seats (Total: 24)	ENGR FIELD	Lab
0002	Samuel Bernstein **Meets August 30, 2010 - October 15, 2010** TuTh 2:00pm - 4:00pm	Seats (Total: 24)	ENGR FIELD	Lab
0003	Samuel English **Meets August 30, 2010 - October 15, 2010** MW 10:00am - 12:00pm	Seats (Total: 24)	ENGR FIELD	Lab
0004	Samuel Bernstein **Meets August 30, 2010 - October 15, 2010** MW 2:00pm - 4:00pm	Seats (Total: 24)	ENGR FIELD	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $30 facility fee. Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

0001	Andre Adams **Meets August 30, 2010 - October 15, 2010** MW 8:00am - 10:00am	Seats (Total: 40)	SSU B106	Lab
0002	Andre Adams **Meets October 18, 2010 - December 10, 2010** MW 8:00am - 10:00am	Seats (Total: 40)	SSU B106	Lab

KNES137N **Physical Education Activities: Coed; Golf (Beginning)**

KNES137N Physical Education Activities: Coed: Golf (Beginning); (1 credit)
Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 facility fee directly to the golf course.

0001	Jeff Maynor	Seats (Total: 25)	
	Meets August 30, 2010 - October 15, 2010		
	MW 10:00am - 12:00pm	GLF 1102	Lab

KNES137O **Physical Education Activities: Coed; Golf (Intermediate)**

KNES137O Physical Education Activities: Coed: Golf (Intermediate); (1 credit)
Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40.00 facility fee directly to golf course.

0001	Jeff Maynor	Seats (Total: 25)	
	Meets August 30, 2010 - October 15, 2010		
	MW 12:00pm - 2:00pm	GLF 1102	Lab

KNES140A **Physical Education Activities: Coed; General Gymnastics (Beginning)**

KNES140A Physical Education Activities: Coed: General Gymnastics (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required the first day of class. Meets the second seven weeks only.

0001	Scott Welsh	Seats (Total: 24)	
	Meets October 18, 2010 - December 10, 2010		
	MW 10:00am - 12:00pm	SPH 1120	

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of classes only. Attendance is required beginning the first day of class. Meets the first seven weeks only.

0001	Scott Welsh **Meets August 30, 2010 - October 15, 2010** MW 10:00am - 12:00pm	Seats (Total: 24) SPH 1120	

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Kenneth Klotz MW 10:00am - 12:00pm	Seats (Total: 32) SPH 0107	Lab

KNES144R **Physical Education Activities: Coed; Intermediate Karate**

KNES144R Physical Education Activities: Coed: Intermediate Karate; (2 credits) Grade Method: REG/P-F.

0001	Kenneth Klotz MW 12:00pm - 2:00pm	Seats (Total: 32) SPH 0107

KNES144T **Physical Education Activities: Coed; Self-Defense (Beginning)**

KNES144T Physical Education Activities: Coed: Self-Defense (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Kenneth Klotz MW 8:00am - 10:00am	Seats (Total: 35) SPH 0107

KNES152N **Physical Education Activities: Coed; Soccer (Beginning)**

KNES152N Physical Education Activities: Coed: Soccer (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Students are required to attend classes beginning first day of classes.

0001	Davi Mazala **Meets August 30, 2010 - October 15, 2010** MW 12:00pm - 2:00pm	Seats (Total: 24) COL 1100D	

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendence is required beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	Davi Mazala **Meets October 18, 2010 - December 10, 2010** MW 12:00pm - 2:00pm	Seats (Total: 24) COLP 1100D	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Beginning Swimming is strictly for Non- swimmers. Attendence is required on the first day of class.

0001	Carrie Tupper MW 12:00pm - 1:15pm	Seats (Total: 22) ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Amanda Delaney TuTh 1:00pm - 2:15pm	Seats (Total: 22) ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 9:00am - 11:00am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Prerequisite: Advanced swimming ability. Attendance on the first day of class is required of all students. Students must qualify to stay in class by passing a swim test on the first day of class.

0001	Carrie Tupper, Diana Freedman	Seats (Total: 22)	
	MW 10:00am - 12:00pm	ERC B0120	Lab

KNES155N **Physical Education Activities: Coed; Tennis (Beginning)**

KNES155N Physical Education Activities: Coed: Tennis (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students on the first day of class.

0001	Kristi Tredway	Seats (Total: 32)	
	Meets August 30, 2010 - October 15, 2010		
	MW 10:00am - 12:00pm	COL 1100D	Lab
0002	Kristi Tredway	Seats (Total: 32)	
	Meets August 30, 2010 - October 15, 2010		
	MW 12:00pm - 2:00pm	COL 1100D	Lab
0003	Sang Kim	Seats (Total: 32)	
	Meets August 30, 2010 - October 15, 2010		
	TuTh 10:00am - 12:00pm	COL 1100D	Lab

KNES155O **Physical Education Activities: Coed; Tennis (Intermediate)**

KNES155O Physical Education Activities: Coed: Tennis (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day of class.

0001	Kristi Tredway **Meets August 30, 2010 - October 15, 2010** TuTh 8:00am - 10:00am	Seats (Total: 32) COL 1100D	Lab
0002	Scott Welsh **Meets August 30, 2010 - October 15, 2010** TuTh 2:00pm - 4:00pm	Seats (Total: 32) COL 1100D	Lab
0003	Scott Welsh **Meets August 30, 2010 - October 15, 2010** MW 2:00pm - 4:00pm	Seats (Total: 32) COL 1100D	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Matthew Miller MW 10:00am - 11:15am	Seats (Total: 32) SPH 0103	Lab
0002	Ryan Basen MW 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Ryan Basen MW 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	Lab
0006	Ryan Basen TuTh 4:00pm - 5:15pm	Seats (Total: 32) SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Matthew Miller MW 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	Lab
0002	Jo Zimmerman MW 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Samuel English TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0004	Ryan Basen TuTh 9:30am - 10:45am	Seats (Total: 32) SPH 0103	Lab

KNES160N **Physical Education Activities: Coed; Volleyball (Beginning)**

KNES160N Physical Education Activities: Coed: Volleyball (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is first week of class only. Attendance is required of all students on the first day of class.

0001	Samuel English **Meets October 18, 2010 - December 10, 2010** MW 8:00am - 10:00am	Seats (Total: 36) SPH 2101	
0002	Sang Kim **Meets October 18, 2010 - December 10, 2010** MW 2:00pm - 4:00pm	Seats (Total: 36) SPH 2101	

KNES160O **Physical Education Activities: Coed; Volleyball (Intermediate)**

KNES160O Physical Education Activities: Coed: Volleyball (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day ofclass.

0001	Michael Marini **Meets October 18, 2010 - December 10, 2010** MW 12:00pm - 2:00pm	Seats (Total: 36) SPH 2101	
0002	Michael Marini **Meets October 18, 2010 - December 10, 2010** TuTh 2:00pm - 4:00pm	Seats (Total: 36) SPH 2101	

KNES161F **Physical Education Activities: Coed; Yoga for Fitness**

KNES161F Physical Education Activities: Coed: Yoga for Fitness; (1 credit) Grade Method: REG/P-F/AUD.

0001	Carly Hunt TuTh 3:00pm - 4:15pm	Seats (Total: 30) SPH 0107	Lab

KNES161R **Physical Education Activities: Coed; Step Aerobics (Beginning)**

KNES161R Physical Education Activities: Coed: Step Aerobics (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required beginning the first day of class. See KNES289W for a 2-credit lecture-activity class on personal fitness.

0001	Jennie Phillips MW 10:00am - 12:00pm	Seats (Total: 50) ERC 0105	Lab
0002	Carly Hunt TuTh 10:00am - 12:00pm	Seats (Total: 50) ERC 0105	Lab

KNES183 **Movement Content for Elementary School Children**

KNES183 Movement Content for Elementary School Children; (3 credits) Grade Method: REG/P-F/AUD.
Participation in movement activities with a focus on educational dance, gymnastics and games. Observation and analysis of movement behavior in relation to specific aspects of movement. Examination of relationships among movement forms.

0101	Susan Kogut	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	SPH 0301	
	Th 12:30pm - 2:00pm	SPH 0301	Lab
	Students should meet in SPH 0305 for the first day of class.		

KNES190 **Personal Fitness and Wellness**

KNES190 Personal Fitness and Wellness; (2 credits) Grade Method: REG.
For KNES and Physical Education Majors Only. Scientific principles, concepts, and techniques designing personal fitness and/or physical activity programs.

0101	Jennie Phillips	Seats (Total: 10)	
	M 2:00pm - 2:50pm	SPH 1303	
	MW 3:00pm - 4:15pm	ERC 0105	Lab

KNES200U **Introduction to Kinesiology**
Contact department for information to register for this course.

KNES245 **Methods of Teaching Physical Education**

KNES245 Methods of Teaching Physical Education; (3 credits) Grade Method: REG.
Prerequisite: KNES183. Not open to students who have completed KNES314. Credit will be granted for only one of the following: KNES245 or KNES314. Pedagogical methods for teaching children and adolescents using direct and indirect styles and strategies. Application of educational philosophy and psychology principles to instruction, class organization and management in physical education.

0101	Dena Deglau	Seats (Total: 20)	
	MW 10:00am - 10:50am	SPH 0301	
	MW 11:00am - 11:50am	SPH 0301	Lab

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits)
Grade Method: REG/P-F. CORE Life Science (LS) Course.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	James Hagberg MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) SPH 1303 SPH 0301	 Discussion
0102	James Hagberg MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) SPH 1303 SPH 0303	 Discussion
0103	James Hagberg MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) SPH 1303 SPH 0307	 Discussion
FC01	James Hagberg TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CHM 1224	

KNES282 **Basic Care and Prevention of Athletic Injuries**

KNES282 Basic Care and Prevention of Athletic Injuries; (3 credits) Grade Method: REG/P-F.
Credit will be granted for only one of the following: KNES282 or KNES381. Formerly KNES381. Theoretical and practical foundations of the prevention, treatment and rehabilitation of athletically related injuries. Topics include: physical conditioning, preventive taping, recognition of injuries, first aid and CPR.

0101	John Bush MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) SPH 0302 SPH 0302	 Lab
0102	John Bush MW 9:00am - 9:50am F 8:00am - 8:50am	Seats (Total: 20) SPH 0302 SPH 0301	 Lab

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

0101	Michael Friedman MW 2:00pm - 2:50pm M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0102	Michael Friedman MW 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0103	Michael Friedman MW 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0104	Michael Friedman MW 2:00pm - 2:50pm W 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0105	Michael Friedman MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0305	 Discussion
0106	Michael Friedman MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0109	Michael Friedman MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0305	 Discussion
0201	Jaime DeLuca Class time/details on ELMs Class time/details on ELMs *This section is restricted to Kinesiology and Phys Ed majors with sophomore standing.* *This section is taught online.*	Seats (Total: 75) ONLINE ONLINE	 Discussion

KNES287U **Sport and American Society**

Contact department for information to register for this course.

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289K **Topical Investigations; Hippocratic Society: Careers in Kinesiology**

KNES289K Topical Investigations: Hippocratic Society: Careers in Kinesiology; (1 credit) Grade Method: REG/P-F.

0101	Jo Zimmerman	Seats (Total: 0)	
	Tu 2:00pm - 2:50pm	SPH 0303	

KNES289L **Topical Investigations; Golf for Business and Life**

KNES289L Topical Investigations: Golf for Business and Life; (3 credits) Grade Method: REG/P-F.
Facility fee of $50 is required.

0101	Jeff Maynor	Seats (Total: 24)	
	TuTh 3:30pm - 5:30pm	SPH 1302	

KNES289W **Topical Investigations; Personal Fitness: Conditioning**

KNES289W Topical Investigations: Personal Fitness: Conditioning; (2 credits) Grade Method: REG/P-F.
One hour lecture and 2 hours per week of various fitness activities. Attendance is expected beginning the first day of class.

0101	Jennie Phillips	Seats (Total: 60)	
	M 2:00pm - 2:50pm	SPH 1303	
	MW 3:00pm - 4:15pm	SPH 0103	Lab

KNES289Y **The In/Active City: the Physical Cultures of Metropolitan Baltimore**

KNES289Y The In/Active City: the Physical Cultures of Metropolitan Baltimore; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This course will involve fieldwork in Baltimore city.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	David Andrews MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) EGR 1202 SPH 0305	 Discussion
0103	David Andrews MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) EGR 1202 SPH 0307	 Discussion

KNES289Z **Topical Investigations; The Kinesiology Major in the University**
Contact department for information to register for this course.

KNES291 **Teaching for Sequential Skill Development**

KNES291 Teaching for Sequential Skill Development; (3 credits) Grade Method: REG.
Corequisite: KNES370. Introduction to motor skill teaching from novice to advanced performer. Techniques and technologies used in skill analysis, correction and feedback to enhance and assess performance.

0101	Scott Welsh TuTh 9:30am - 10:45am Tu 8:00am - 9:30am	Seats (Total: 20) SPH 0301 SPH 0305	 Lab

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F. CORE Social or Political History (SH) Course.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0103	Damion Thomas MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0104	Damion Thomas MW 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0105	Damion Thomas MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 CSS 0201	Discussion
0106	Damion Thomas MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 CSS 2416	Discussion
0107	Damion Thomas MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0108	Damion Thomas MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0109	Damion Thomas MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
FC01	Jacob Bustad TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0102	

KNES293U **History of Sport in America**
Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Sohit Karol MW 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Sohit Karol MW 3:00pm - 4:15pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Sohit Karol MW 3:00pm - 4:15pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Sohit Karol MW 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Sohit Karol MW 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Sohit Karol MW 3:00pm - 4:15pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Sohit Karol MW 3:00pm - 4:15pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Sohit Karol MW 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F.
Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.

0101	Sohit Karol MW 3:00pm - 4:15pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F.
Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Amanda Delaney TuTh 9:30am - 10:20am	Seats (Total: 35) ERC B0132

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm	Seats (Total: 180) SPH 1312
0201	Jo Zimmerman TuTh 8:00am - 9:20am	Seats (Total: 150) EGR 1202

KNES350H **The Psychology of Sports**

KNES350H *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm	Seats (Total: 3) SPH 1312

0201	Jo Zimmerman	Seats (Total: 3)	
	TuTh 8:00am - 9:20am	EGR 1202	

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel	Seats (Total: 32)	
	TuTh 2:00pm - 3:15pm	SPH 0307	

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M.

0101	Stephen McDaniel	Seats (Total: 3)	
	TuTh 2:00pm - 3:15pm	SPH 0307	

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (4 credits) Grade Method: REG/P-F.
Prerequisites: BSCI201 and BSCI202 with a grade of C (2.0) or better; or permission of department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers	Seats (Total: 18)	
	MWF 12:00pm - 12:50pm	SPH 1312	
	Tu 8:00am - 10:00am	SPH 0116	Lab

0102	Marc Rogers MWF 12:00pm - 12:50pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0103	Marc Rogers MWF 12:00pm - 12:50pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0104	Marc Rogers MWF 12:00pm - 12:50pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0105	Marc Rogers MWF 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0106	Marc Rogers MWF 12:00pm - 12:50pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0107	Marc Rogers MWF 12:00pm - 12:50pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
0108	Marc Rogers MWF 12:00pm - 12:50pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0116	 Lab
SG91	Steven Prior F 1:50pm - 4:10pm F 8:15am - 10:15am	Seats (Total: 15) BLD3 4219 BLD3 4219	 Lab
	Class meets at the Shady Grove campus. Restricted to Public Health Scie ce program students. Permission of program director is required for othe r UMCP undergraduate students to enroll. There is a $50.00 Lab fee.		

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (4 credits)** Grade Method: REG/P-F.

Prerequisites: BSCI201 and BSCI202 with a grade of C (2.0) or better; or permission of department.

0101	Marc Rogers MWF 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F.
Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

0101	Marcio Oliveira MW 1:00pm - 1:50pm M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Marcio Oliveira MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Marcio Oliveira MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Marcio Oliveira MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Marcio Oliveira MW 1:00pm - 1:50pm W 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Marcio Oliveira MW 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Marcio Oliveira MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0109	Marcio Oliveira MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0110	Marcio Oliveira MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG/P-F.

0101	Marcio Oliveira MW 1:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312	

KNES370U **Motor Development**
Contact department for information to register for this course.

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F. Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	John Jeka MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	John Jeka MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	John Jeka MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0104	John Jeka MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	John Jeka MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	John Jeka MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	John Jeka MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	John Jeka MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0109	John Jeka MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0110	John Jeka MW 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F.

0101	John Jeka MW 11:00am - 11:50am Contact instructor or department for details.	Seats (Total: 8) SPH 1312	

KNES386 **Experiential Learning**

KNES386 Experiential Learning; (3 credits) Grade Method: REG/P-F. *Prerequisite: Learning Proposal approved by faculty sponsor, and student's internship sponsor. Junior standing.* If counting this as a Kinesiological Options course, must have at least 3 Kinesiology core courses completed. Click here for more course information.

0101	Marvin Scott	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SPH 0307

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: pPermission of instructor and department.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Children's Development Clinic**

KNES389E Topical Investigations: Children's Development Clinic; (1 credit) Grade Method: REG/P-F/AUD.

0101	Paul Hahn	Seats (Total: 18)
	Sa 8:30am - 12:30pm	SPH 0103

KNES389K **Topical Investigations; Kinesiological Science Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiological Science Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor and department.

Contact department for information to register for this course.

KNES390 **Practicum/Internship in Teaching Physical Education**

KNES390 *(PermReq)* **Practicum/Internship in Teaching Physical Education; (3 credits)** Grade Method: REG.
Corequisite: KNES491. Teaching of children in a physical education setting. Specific emphasis on the development of a professional portfolio demonstrating understanding of curriculum development, lesson planning, progressions and evaluation of teaching performance. Departmental permission required.

0101	Ana Palla-Kane, Susan Kogut Tu 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) SPH 0301

KNES440 **Psychology of Athletic Performance**

KNES440 Psychology of Athletic Performance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES498P, KNES689Z, or KNES440. Formerly KNES498P. Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 32) SPH 0308

KNES440H **Psychology of Athletic Performance**

KNES440H *(PermReq)* **Psychology of Athletic Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES498P, KNES689Z, or KNES440. Formerly KNES498P.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 3) SPH 0308

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown TuTh 11:00am - 12:15pm	Seats (Total: 57) SPH 1303

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing.

0101	Elizabeth Brown TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 1303

KNES455 **Scientific Bases of Athletic Conditioning**

KNES455 Scientific Bases of Athletic Conditioning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0101	Espen Spangenburg MWF 10:00am - 10:50am	Seats (Total: 32) SPH 0307

KNES455H **Scientific Bases of Athletic Conditioning**

KNES455H *(PermReq)* **Scientific Bases of Athletic Conditioning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360.

0101	Espen Spangenburg MWF 10:00am - 10:50am	Seats (Total: 3) SPH 0307

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES370. Junior standing. Credit will be granted for only one of the following: KNES498Y or KNES457. Formerly KNES498Y. An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Marvin Scott	Seats (Total: 35)
	MWF 11:00am - 11:50am	SPH 0307

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES360. Physiological concepts relating body composition factors to exercise and human performance. The scientific basis for the establishment and evaluation of conditioning programs where body composition may play an important role, such as weight control and athletics.

0101	Ben Hurley	Seats (Total: 32)
	TuTh 8:00am - 9:15am	SPH 0308

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES360.

0101	Ben Hurley	Seats (Total: 3)
	TuTh 8:00am - 9:15am	SPH 0308

KNES462 **Neural Basis of Human Movement**

KNES462 Neural Basis of Human Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: {BSCI201; and BSCI202; and KNES385} or permission of department. An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

0101	Rodolphe Gentili MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 32) SPH 0307 ONLINE

KNES462H **Neural Basis of Human Movement**

KNES462H *(PermReq)* **Neural Basis of Human Movement; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: {BSCI201; and BSCI202; and KNES385} or permission of department.

0101	Rodolphe Gentili MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 3) SPH 0307 ONLINE

KNES466 **Graded Exercise Testing**

KNES466 Graded Exercise Testing; (3 credits) Grade Method: REG.
Prerequisite: KNES360 or permission of department. Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

0101	Jennie Phillips TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0308

KNES466H **Graded Exercise Testing**

KNES466H *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG.
Prerequisite: KNES360 or permission of department.

0101	Jennie Phillips TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 0308

KNES467 **Genetics in Physical Activity and Sport**

KNES467 Genetics in Physical Activity and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Corequisite: STAT100 or equivalent. Junior standing. Credit will be granted for only one of the following: KNES467 or KNES498Q. Formerly KNES498Q. Dedicated to understanding the role of genetics in kinesiology, especially within the contexts of physical activity and sport. Specific genes and phenotypes will be explored.

0101	Stephen Roth TuTh 9:30am - 10:45am	Seats (Total: 32) SPH 0302

KNES467H **Genetics in Physical Activity and Sport**

KNES467H *(PermReq)* **Genetics in Physical Activity and Sport; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Corequisite: STAT100 or equivalent. Junior standing. Credit will be granted for only one of the following: KNES467 or KNES498Q. Formerly KNES498Q.

0101	Stephen Roth TuTh 9:30am - 10:45am	Seats (Total: 3) SPH 0302

KNES476 **Honors Thesis Proposal**

KNES476 *(PermReq)* **Honors Thesis Proposal; (3 credits)** Grade Method: REG.
Restricted to KNES Honors students only. Corequisite: KNES478. Senior standing. Credit will be granted for only one of the following: KNES498R or KNES476. Formerly KNES498R. Development of honors thesis proposal based on preliminary research and literature review. Presentation of formal proposal to the thesis committee and fellow honors students.

0101	Stephen Roth F 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 10) SPH 0301

KNES478 **Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar; (1 credit)** Grade Method: REG.
Continuing KNES Honors Students must enroll in KNES 478 every semester they are in the program.

0101	Stephen Roth	Seats (Total: 20)
	F 11:00am - 11:50am	SPH 0301

KNES480 **Measurement in Physical Education**

KNES480 Measurement in Physical Education; (3 credits) Grade Method: REG/P-F.
Prerequisite: MATH110. A study of the principles and techniques of educational measurement as applied to the teaching of physical education; study of the functions and techniques of measurement in the evaluation of student progress toward the objectives of physical education and in the evaluation of the effectiveness of teaching.

0101	Dena Deglau	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SPH 0301

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	SPH 0307

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester.

0101	Stephen McDaniel	Seats (Total: 3)	
	TuTh 11:00am - 12:15pm	SPH 0307	

KNES484 **Sporting Hollywood**

KNES484 Sporting Hollywood; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES293. Junior standing. Credit will be granted for only one of the following: KNES484 and KNES498N. Formerly KNES498N. Popular representations of sport within the film media related to wider social discourses on bodies and the politics of various categories of subjectivity (gender, sexual, racial, class and national).

0101	Ronald Mower	Seats (Total: 32)	
	W 4:00pm - 6:45pm	SPH 0308	

KNES484H **Sporting Hollywood**

KNES484H *(PermReq)* **Sporting Hollywood; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES293. Junior standing. Credit will be granted for only one of the following: KNES484 and KNES498N. Formerly KNES498N.

0101	Ronald Mower	Seats (Total: 3)	
	W 4:00pm - 6:45pm	SPH 0308	

KNES491 **The Curriculum in Physical Education**

KNES491 The Curriculum in Physical Education; (3 credits) Grade Method: REG/P-F.
Prerequisites: KNES300, KNES360, and KNES371. Curriculum sources, principles, and planning concepts, with emphasis on using valid criteria for the selection of content for physical education programs.

0101	Marvin Scott	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	SPH 0305	
	TuTh 8:00am - 9:15am	SPH 0301	Lab

KNES497 **Independent Studies Seminar**

KNES497 Independent Studies Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: A professional writing coure with a (C) or better; STAT100 or equivalent; all 7 KNES core and 2 KNES options. 100 semester hours. Senior standing. For KNES majors only. Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. All sections will meet in SPH 1303 on the first day of class.

0101	James Hagberg Th 8:00am - 11:00am *Physical Activity and the Obesity and Diabetes Epidemic.*	Seats (Total: 15) SPH 0303
0102	Eva Chin Tu 8:00am - 11:00am *Adaptations of Skeletal Muscle with Disease and Exercise Training.*	Seats (Total: 15) SPH 0303
0103	Michael Friedman Tu 4:00pm - 6:30pm *Socio-Historical Controversies in Sport & Physical Culture.*	Seats (Total: 15) SPH 0305
0104	Rodolphe Gentili Th 4:00pm - 6:30pm *Rehabilitation and Motor Control.*	Seats (Total: 15) SPH 0307

KNES498 **Special Topics in Kinesiology**

KNES498 *(PermReq)* **Special Topics in Kinesiology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES498B **Special Topics in Kinesiology; Biomechanics Theory**

KNES498B Special Topics in Kinesiology: Biomechanics Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite MATH 141 or MATH 221, KNES 300, or permission from department.

0101	Jae Kun Shim W 4:30pm - 7:15pm	Seats (Total: 5) SPH 1302

KNES498F **Special Topics in Kinesiology; Exercise and Aging**

KNES498F Special Topics in Kinesiology: Exercise and Aging; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES360.
Click here for more course information.

0101	Marc Rogers TuTh 12:30pm - 1:45pm	Seats (Total: 30) SPH 0302

KNES498I **Special Topics in Kinesiology; Advanced Applied Physiology**

KNES498I Special Topics in Kinesiology: Advanced Applied Physiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES 360. Click here for more information, which will lead to the Department of Kinesiology website.

0101	Eva Chin M 2:00pm - 4:45pm	Seats (Total: 24) SPH 0116

KNES498K **Special Topics in Kinesiology; Sport and the Civil Rights Movement**

KNES498K Special Topics in Kinesiology: Sport and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES293 and junior standing. Also offered as KNES689Q. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Damion Thomas TuTh 11:00am - 12:15pm	Seats (Total: 30) SPH 1302

KNES498X **Special Topics in Kinesiology; Neural Engineering of Human Movement**

KNES498X Special Topics in Kinesiology: Neural Engineering of Human Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES 385. Recommended: Working knowledge of Matlab.

0101	Jose Contreras-Vidal	Seats (Total: 8)	
	TuTh 4:00pm - 5:30pm	SPH 0124	

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES618 **Current Readings in Kinesiogenomics**

KNES618 Current Readings in Kinesiogenomics; (1 credit) Grade Method: REG/AUD.

0101	Stephen Roth	Seats (Total: 12)	
	F 1:00pm - 1:50pm	SPH 0301	Discussion

KNES670 **Biomechanics Theory**

KNES670 Biomechanics Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 141 or MATH 221.* Theoretical basis for understanding the investigation of biomechanical aspects of the human body. Integration of subject matter from physics, engineering, anatomy, kinesiology, and physiology as it relates to the study of human motion and the body as a mechanical system.

0101	Jae Kun Shim	Seats (Total: 10)	
	W 4:30pm - 7:15pm	SPH 1302	

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689G **Special Problems in Kinesiology; Neural Engineering of Human Movement**

KNES689G Special Problems in Kinesiology: Neural Engineering of Human Movement; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least one biology, neuroscience or advanced kinesiology course.
Recommended: Working knowledge pf Matlab.

0101	Jose Contreras-Vidal	Seats (Total: 12)
	TuTh 4:00pm - 5:30pm	SPH 0124

KNES689I **Special Problems in Kinesiology; Theories of Physical Culture**

KNES689I Special Problems in Kinesiology: Theories of Physical Culture; (3 credits) Grade Method: REG/AUD.

0101	David Andrews	Seats (Total: 12)
	M 4:30pm - 7:15pm	SPH 2351C

KNES689M **Special Problems in Kinesiology; Motor Control Theory**

0101	John Jeka	Seats (Total: 15)
	W 4:00pm - 6:30pm	SPH 0305

KNES689Q **Special Problems in Kinesiology; Sport and the Civil Rights Movement**

KNES689Q Special Problems in Kinesiology: Sport and the Civil Rights Movement; (3 credits) Grade Method: REG/AUD.
Also offered as KNES498K. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Damion Thomas	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	SPH 1302

KNES689Z **Special Problems in Kinesiology; Psychology of Athletic Performance**

KNES689Z Special Problems in Kinesiology: Psychology of Athletic Performance; (3 credits) Grade Method: REG/AUD.
Also offered as KNES440.

0101	Seppo Iso-Ahola	Seats (Total: 32)
	M 4:00pm - 6:35pm	SPH 0308

KNES694 **Metabolic Aspects of Exercise Physiology**

KNES694 Metabolic Aspects of Exercise Physiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES 360 or KNES 690. Recommended: BCHM 461 and BCHM 462.
Effects of exercise on digestion, absorption, transport, storage, mobilization, and utilization of macronutrients. Emphasis on the effects of exercise training on energy metabolism.

0101	Espen Spangenburg	Seats (Total: 15)
	Tu 4:00pm - 6:45pm	SPH 2351C

KNES789 **Advanced Seminar**

KNES789 *(PermReq)* **Advanced Seminar; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Fall 2010

KORA101 **Elementary Korean I**

KORA101 *(PermReq)* **Elementary Korean I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For non-Heritage students with no background in Korean. Introduction to the Korean language. Primary emphasis on oral skills, but Hangul, the Korean alphabet, will also be introduced. Click here for more KORA course information.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2125

KORA201 **Intermediate Korean I**

KORA201 Intermediate Korean I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: KORA102 or permission of instructor. An intermediate-level course designed for non-Heritage students. It begins the second year of instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 1120

KORA211 **Introductory Reading for Speakers of Korean I**

KORA211 Introductory Reading for Speakers of Korean I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: permission of department. Not open to students who have completed two or more years of schooling in Korea. Designed to improve the language skills of students already conversant in Korean; instruction entirely in Korean; introduction in hangul; reading and writing of simple journal entries.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2125

KORA311 **Korean for Heritage Speakers, Advanced-Low I**

KORA311 Korean for Heritage Speakers, Advanced-Low I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KORA212 or permission of instructor. Not open to students who have completed six or more years of schooling in Korea. Begins the second year of Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	JMZ 2122	

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Fall 2010

LARC120 **Digital Fundamentals**

LARC120 *(PermReq)* **Digital Fundamentals; (2 credits)** Grade Method: REG.
Prerequisite: permission of LARC program. For LARC majors only. Not open to students who have completed LARC489A. Credit will be granted for only one of the following: LARC120 or LARC489A. Formerly LARC489A. An introduction to fundamental computer tools and techniques commonly used in design communication and landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting.

0101	Wannapa Siriamnuaypas	Seats (Total: 20)	
	M 2:00pm - 2:50pm	PLS 2137	
	M 3:00pm - 5:30pm	PLS 2137	Lab
0102	Wannapa Siriamnuaypas	Seats (Total: 20)	
	W 2:00pm - 2:50pm	PLS 2137	
	W 3:00pm - 5:30pm	PLS 2137	Lab

LARC141 **Design Fundamentals Studio**

LARC141 *(PermReq)* **Design Fundamentals Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC140 and permission of LARC program. Recommended: LARC263 (concurrently). Sophomore standing. For LARC majors only. Fundamentals of basic design focusing on creative problem solving associated with landscape architecture.

0101	Instructor: TBA MW 2:00pm - 2:50pm MW 3:00pm - 4:50pm	Seats (Total: 15) PLS 1172 PLS 2152	 Lab
0102	Ann Anderson TuTh 2:00pm - 3:15pm TuTh 3:30pm - 4:50pm	Seats (Total: 15) PLS 1162 PLS 2154	 Lab

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Jack Sullivan MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion
0102	Jack Sullivan MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1172	 Discussion
0103	Jack Sullivan MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion
0104	Jack Sullivan MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion

0105	Jack Sullivan MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1172	 Discussion
0106	Jack Sullivan MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1172	 Discussion
0107	Jack Sullivan MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1162	 Discussion

LARC263 **History of Landscape Architecture**

LARC263 History of Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD.
A survey of landscape architecture history from the ancient Western civilizations to the twentieth century with consideration of parallel developments in the Eastern World, European Africa and the Americas.

0101	Caren Yglesias TuTh 9:30am - 10:45am	Seats (Total: 35) ARC 1105

LARC320 **Principles of Site Engineering**

LARC320 *(PermReq)* **Principles of Site Engineering; (3 credits)** Grade Method: REG.
Prerequisite: LARC221 and permission of LARC program. Corequisite: LARC340. Junior standing. For LARC majors only. Also offered as PLSC320. Formerly LARC364. The study and application of landscape construction principles as applied to grading, drainage, site layout, storm water management, and vehicular and pedestrian circulation.

0101	John Leonard TuTh 8:00am - 9:15am Th 9:30am - 10:45am	Seats (Total: 20) PLS 1115 PLS 2150	 Lab

LARC340 **Site Planning and Design Studio**

LARC340 *(PermReq)* **Site Planning and Design Studio; (5 credits)** Grade Method: REG.
Prerequisites: LARC221, LARC240, and LARC265. Corequisite: LARC320. Junior standing. For LARC majors only. An examination of the influence of landscape character and site features (natural and cultural) on landscape architecture, architecture and planning through application in the studio setting.

0101	Dennis Nola	Seats (Total: 17)	
	MW 1:00pm - 1:50pm	PLS 1172	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC389 **Internship in Landscape Architecture**

LARC389 *(PermReq)* **Internship in Landscape Architecture; (3 credits)** Grade Method: REG.

0102	Steven Cohan	Seats (Total: 15)	
	W 9:00am - 9:50am	PLS 1119	
	Contact instructor or department for details.		

LARC420 **Professional Practice**

LARC420 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC321. For LARC majors only. An introduction to and comparative study of the professional concerns of design firms. Focus on planning, legal, ethical, marketing and management considerations of interdisciplinary practices.

0101	Dennis Nola	Seats (Total: 30)	
	Th 9:30am - 12:15pm	PLS 1115	Lab

LARC440 **Urban Studio Design**

LARC440 *(PermReq)* **Urban Studio Design; (5 credits)** Grade Method: REG.
Prerequisites: LARC321, LARC340, and LARC341. For LARC majors only. The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.

0101	Gregory Brandon	Seats (Total: 17)	
	TuTh 1:00pm - 1:50pm	PLS 2148	
	TuTh 2:00pm - 4:50pm	PLS 2148	Lab

LARC450 **Environmental Resources**

LARC450 *(PermReq)* **Environmental Resources; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 or permission of department. A review of ecosystems and an examination of planning strategies for preservation, conservation, management and development of sensitive natural and cultural landscape resources in the mid-Atlantic region. Two all day Friday field trips are required. Dates to be announced later.

0101	David Myers	Seats (Total: 23)	
	MW 10:00am - 10:50am	PLS 1113	
	F 10:00am - 10:50am	PLS 1113	
	Contact instructor or department for details.		

LARC470 **Landscape Architecture Seminar**

LARC470 *(PermReq)* **Landscape Architecture Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC321 and LARC341. Corequisite: LARC440. Senior standing. For LARC majors only. A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.

0101	Benjamin Tauber	Seats (Total: 20)	
	Tu 9:30am - 12:15pm	PLS 1115	

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC620 **Graphic Tools for Landscape Representation**

LARC620 Graphic Tools for Landscape Representation; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Corequisite: LARC640. This course integrates digital amd analog methods of communication and provides an introduction to computer tools and techniques commonly used in landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting. Also includes techniques and application of various media for graphic communication associated with landscape architecture.

0101	Wannapa Siriamnuaypas	Seats (Total: 10)	
	TuTh 10:00am - 10:50am	PLS 2156	
	TuTh 11:00am - 12:00pm	PLS 2156	Lab

LARC640 **Graduate Studio I**

LARC640 Graduate Studio I; (5 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Corequisite: LARC620. Principles and techniques of design as applied to shaping the landscape; developing concepts in visual thinking, environmental awareness, and design intervention through studio exercises and projects.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 1142	
	TuTh 2:00pm - 4:50pm	PLS 1142	Lab

LARC642 **Graduate Studio III**

LARC642 Graduate Studio III; (5 credits) Grade Method: REG/AUD.
Prerequisite: LARC641 and permission of department. Corequisite: LARC670. A focus on the interaction of landscape science (hydrology, geology, etc.) with the necessities and mechanisms of human settlements (transportation, economics, etc.) emphasizing innovative and forward thinking solutions to urbanization and ecological problems. It will apply this knowledge to landscape analysis, recreational planning and design, and community development, emphasizing resource management, spatial organization, landscape character, and the physical and social structure of community services. This course will be required for both Trach 1 and Track 2 students.

0101	David Myers	Seats (Total: 10)	
	MW 2:00pm - 2:50pm	PLS 2154	
	MW 3:00pm - 5:50pm	PLS 2154	Lab

LARC670 **Landscape Architecture Theory and Criticism**

LARC670 Landscape Architecture Theory and Criticism; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Review and analysis of the body of literature concerning landscape architecture and relationships between humans and both natural and designed environments. Topics may include: rationalism, ethics, aesthetics, social and economic values, postmodernism, feminist, multiculturalism, ecological determinism, preservation/conservation, and sustainability and ecological design. Each week students will lead a debate and discussion on a theoretical issue based on the assigned readings for that week.

0101	Caren Yglesias	Seats (Total: 10)
	F 9:00am - 11:50am	PLS 0104

LARC721 **Landscape Construction Methods and Materials**

LARC721 Landscape Construction Methods and Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: LARC720 and permission of department. Basic methods of constructing landscapes and manipulatiing the appropriate plant and inorganicc materials for the creation of ecologically sustainable environments for human use. An examination of the use, properties, and detailing of materials used in landscape construction.

0101	Arlie Ison	Seats (Total: 10)
	Tu 8:00am - 9:15am	PLS 1117
	Tu 9:30am - 10:45am	PLS 1117

LARC748 **Advanced Special Topics Studio**

LARC748 Advanced Special Topics Studio; (6 credits) Grade Method: REG/AUD.

0101	Victoria Chanse	Seats (Total: 10)
	Contact instructor or department for details.	

LARC799 **Master's Thesis Research**

LARC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies — Fall 2010

LASC100 **Challenge of the Cities**

LASC100 Challenge of the Cities; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: LASC100 or URSP100.
Contemporary urban patterns, trends and problems. Major urban issues, such as: population change, the economy, land use, housing, neighborhood development, fiscal and unemployment crises; and social, environmental, and political controversies of metropolitan areas. International urbanization patterns and policies. Also offered as URSP100.

0101	William Hanna MW 3:00pm - 3:50pm F 3:00pm - 3:50pm	Seats (Total: 20) MCB 1207 ASY 3221	Discussion
0102	William Hanna MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) MCB 1207 TYD 2102	Discussion
0103	William Hanna MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) MCB 1207 TYD 1118	Discussion
0104	William Hanna MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 20) MCB 1207 ASY 3221	Discussion

LASC234 **Issues in Latin American Studies I**

LASC234 Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and PORT234. Credit will be granted for only one of the following: LASC234 or SPAN234 or PORT234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0101
0201	Daryle Williams TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0103

LASC234H **Issues in Latin American Studies I**

LASC234H Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and PORT234. Credit will be granted for only one of the following: LASC234 or SPAN234 or PORT234.

0101	Ivette Rodriguez-Santana TuTh 9:30am - 10:45am	Seats (Total: 5) TYD 0101

LASC448A **Special Topics in Latin American Studies; Intercultural Perspectives: Relations, Conflicts, and Negotiations across Cultural Differences in Latin America**

LASC448A *(PermReq)* **Special Topics in Latin American Studies: Intercultural Perspectives: Relations, Conflicts, and Negotiations across Cultural Differences in Latin America; (3 credits)** Grade Method: REG.
Permission of the department. Preference will be given to students seeking the certificate in Latin American Studies and those who have completed LASC 234, LASC235, HIST250, or HIST251. For information on registration, please contact the Department of History, 2131 Francis Scott Key Hall, x50072, or via email historyadvising@umd.edu.

0101	Daniel Mato Tu 3:30pm - 6:00pm	Seats (Total: 30) TYD 2110

LASC448E **Special Topics in Latin American Studies; Pre-Columbian Aztec and Early Colonial Mexican Thought and Culture**

LASC448E Special Topics in Latin American Studies: Pre-Columbian Aztec and Early Colonial Mexican Thought and Culture; (3 credits) Grade Method: REG.

0101	James Maffie	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 3106

LASC448Q **Special Topics in Latin American Studies; The Amazon through Film**

LASC448Q Special Topics in Latin American Studies: The Amazon through Film; (3 credits) Grade Method: REG.

0101	Janet Chernela	Seats (Total: 30)
	M 3:00pm - 5:45pm	HBK 0302H

LATN Latin Fall 2010

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	John Woods	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH B0429
	F 9:00am - 9:50am	MTH B0429

LATN102 **Elementary Latin II**

LATN102 Elementary Latin II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LATN101 at UMCP or permission of department.

0101	Judith Hallett	Seats (Total: 20)
	MWF 10:00am - 10:50am	MMH 2407A
	F 9:00am - 9:50am	MMH 2407A

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: LATN102 at UMCP or permission of department. Formerly LATN203.

0101	Kenneth Tuite	Seats (Total: 20)
	MW 2:00pm - 3:50pm	JMZ 3203

LATN301 **Plautus**

LATN301 Plautus; (3 credits) Grade Method: REG/P-F/AUD.
Plautine drama. Literary, linguistic and socio-cultural aspects.

0101	Hugh Lee	Seats (Total: 20)
	MW 3:30pm - 4:45pm	MMH 2407A

LATN403 **Roman Satire**

LATN403 Roman Satire; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gregory Staley	Seats (Total: 15)
	Tu 5:00pm - 7:45pm	JMZ 2206

LATN415 **Vergil's Aeneid**
Contact department for information to register for this course.

LATN472 **Historical Development of the Latin Language**

LATN472 Historical Development of the Latin Language; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: LATN472 or LING431. An analysis of the development of the Latin language from archaic times to the Middle Ages.

0101	Judith Hallett	Seats (Total: 15)
	M 5:00pm - 7:45pm	KEY 0116

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN672 **Historical Development of the Latin Language**

LATN672 Historical Development of the Latin Language; (3 credits) Grade Method: REG/AUD.
An analysis of the development of the Latin language from the archaic period to the Middle Ages.

0101	Judith Hallett M 5:00pm - 7:45pm	Seats (Total: 10) KEY 0116

LATN688B **Special Topics in Latin Literature; Satire**

LATN688B Special Topics in Latin Literature: Satire; (3 credits) Grade Method: REG/AUD.

0101	Gregory Staley Tu 5:00pm - 7:45pm	Seats (Total: 10) JMZ 2206

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Fall 2010

LBSC601 **Users and Information Context**

LBSC601 Users and Information Context; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Nature and roles of information and information institutions; information behavior; studying information behavior; information policy; the information professions.

0101	Trudi Hahn Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Nancy Roderer Th 5:30pm - 8:15pm	Seats (Total: 30) PLS 1113

LBSC605 **Archival Principles, Practices, and Programs**

LBSC605 Archival Principles, Practices, and Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduction to all aspects of archival work, including records management, appraisal, and selection, arrangement and description, preservation, electronic records, reference and outreach. Elements of an archival program. The role and work of archivists. Issues, conditions, and needs in the field.

0101	Bruce Ambacher W 10:00am - 12:45pm	Seats (Total: 30) HBK 0109
0201	Jean Dryden Tu 6:00pm - 8:45pm	Seats (Total: 30) TLF 1103

LBSC620 **Diverse Populations, Inclusion, and Information**

LBSC620 Diverse Populations, Inclusion, and Information; (3 credits) Grade Method: REG/AUD.
Importance of equality of information access. Social, political, and technological barriers to information. Information needs of diverse and underrepresented populations. Principles of inclusive information services. Developing and providing inclusive services to diverse and underrepresented population. Analyzing and developing services that ensure equality of access to informtion in a range of settings.

0101	Paul Jaeger W 5:30pm - 8:15pm	Seats (Total: 25) HBK 0109

LBSC625 **Information Policy**

LBSC625 Information Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions.

ML01	John Bertot	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Restricted to MLS students admitted to the government information onlin program.	

LBSC635 **Management and Administration for the Information Professional**

LBSC635 Management and Administration for the Information Professional; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC630. Management and administrative theory and principles and their implications and applications to information organizations.

0101	Thomas Phelps	Seats (Total: 30)
	Tu 5:30pm - 8:15pm	HBK 0109
0201	Ping Wang	Seats (Total: 30)
	Th 2:00pm - 4:45pm	HBK 0105
0301	Ann Prentice	Seats (Total: 21)
	Class time/details on ELMs	ONLINE
SG01	Ann Prentice	Seats (Total: 25)
	M 5:30pm - 8:15pm	BLD3 4211
	Section SG01 will meet at USG on Sept. 13, Oct. 11, Nov. 8, and Dec 6; All other sessions online.	

LBSC640 **Library Media Specialists as Information Professionals**

LBSC640 Library Media Specialists as Information Professionals; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of department and instructor required. Credit will be granted for only one of the following: LBSC 640 or LBSC 643. Formerly LBSC643.
Foundational concepts in information studies and in school library media programs and services. Current and evolving educational systems; roles and functions of library media specialists within them.

0101	Mega Subramaniam W 5:30pm - 8:15pm	Seats (Total: 25) HBK 1108

LBSC642 **Integrating Technology into Learning and Teaching**

LBSC642 Integrating Technology into Learning and Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC 642 or LBSC 708C. Formerly LBSC708C. Hardware, software, video and other equipment, and networking in schools. Pedagogic uses of information technology, including networked resources and multimedia.

0101	June Ahn Tu 5:30pm - 8:15pm	Seats (Total: 30) EGR 1104

LBSC645 **Literature and Materials for Children**

LBSC645 Literature and Materials for Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

0101	Maria Salvadore M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115
SG01	Edith Ching Tu 5:30pm - 8:15pm	Seats (Total: 25) BLD2 2032

LBSC650 **Information Access Services**

LBSC650 Information Access Services; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Information needs, search mediation, search strategies, reference services, information access issues, collection development.

0101	Derek Hansen Th 9:30am - 12:15pm	Seats (Total: 30) HBK 0109
0201	Mary Choquette Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0105
0301	Mary Choquette Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115
SG01	Derek Hansen W 5:30pm - 8:15pm	Seats (Total: 30) BLD2 2032

LBSC670 **Organization of Information**

LBSC670 Organization of Information; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

0101	Yan Qu Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109
0201	Yan Qu M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105
0301	Pengyi Zhang Sa 9:00am - 12:15pm Sa 1:15pm - 3:45pm *This class meets Sept. 11, Sept. 25, Oct. 9, Oct. 23, Nov. 6, Nov. 20. and Dec. 11.*	Seats (Total: 30) HBK 0108 HBK 0108
SG01	Taverekere Srikantaiah Th 5:30pm - 8:15pm	Seats (Total: 30) BLD3 3206

LBSC680 **Principles of Records and Information Management**

LBSC680 Principles of Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Principles and practices of managing records in the context of information management programs in government, corporate and other institutional settings. Includes access; legal requirements; digital technologies; and creation, administration, appraisal, and retention and disposition of records.

0101	Jean Dryden M 1:00pm - 3:45pm	Seats (Total: 30) HBK 0105

LBSC690 **Information Technology**

LBSC690 Information Technology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies.

0101	Jordan Boyd-Graber M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109
0201	Allison Druin M 1:00pm - 3:45pm	Seats (Total: 30) HBK 2119

LBSC705 **Infomation for Decision-Making**

LBSC705 Seminar in Information for Decision-Making; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The use of information in organizational and individual decision- making. Managers' behavior in using information, differences between the private and public sectors, and the roles of information professionals and information systems in decision-making.

0101	Vedat Diker Class time/details on ELMs	Seats (Total: 3) ONLINE

LBSC707 **Field Study in Library Service**

LBSC707 Field Study in Library Service; (3 credits) Grade Method: REG/AUD. *Prerequisites: all core courses and permission of department.* Unpaid, supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

SG01	Simmona Simmons	Seats (Total: 25)
	W 5:30pm - 7:00pm Contact instructor or department for details.	BLD2 3022
	This section meets Sept. 1; Sept. 15, Sept 29; Oct. 13; Oct. 27; Nov. 10; Nov. 24; and Dec. 8. This course has a 100-hour field-study component.	

LBSC708V **Special Topics in Information Studies; E-Librarianship Government Information Services**

LBSC708V Special Topics in Information Studies: E-Librarianship Government Information Services; (3 credits) Grade Method: REG/AUD.

ML01	John Shuler	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Restricted to MLS students admitted to the government information onlin program.	

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC731 **Special Collections**

LBSC731 Special Collections; (3 credits) Grade Method: REG/AUD. *Prerequisite: LBSC601 or LBSC605; or permission of instructor.* Management of special collections, whose holdings may include manuscripts (particularly personal papers), non-textual materials, graphical materials, and rare books, with analysis of the custodial and management functions associated with special collections.

0101	Douglas McElrath	Seats (Total: 30)
	Th 5:30pm - 8:15pm	PLS 1117

LBSC735 **Legal Issues in Managing Information**

LBSC735 Legal Issues in Managing Information; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. Legal issues related to collecting, maintaining, and providing access to information materials. Includes ownership, copyright, privacy, freedom of information, and related issues in archives, libraries and other settings.

0101	Paul Jaeger	Seats (Total: 30)
	Th 5:30pm - 8:15pm	HBK 0105

LBSC742 **Collaborative Instructional Design and Evaluation**

LBSC742 Collaborative Instructional Design and Evaluation; (3 credits) Grade Method: REG/AUD.

Prerequisites: permission of department. Library media specialists' collaborative role in instruction. Systematic design, development, and evaluation of instructional strategies and products for learning.

0101	Mega Subramaniam	Seats (Total: 25)
	Th 5:30pm - 8:15pm	HBK 0103

LBSC744 **Field Study in School Library Media Programs**

LBSC744 Field Study in School Library Media Programs; (3 credits) Grade Method: REG/AUD.

Prerequisite: LBSC 741 and LBSC 742; or permission of instructor. Practicum and seminar in library media programs at the elementary, middle, and secondary levels.

SG01	Ann Weeks	Seats (Total: 25)
	Sa 9:30am - 12:15pm	BLD3 3240

LBSC750 **Information Access in Electronic Environments**

LBSC750 Information Access in Electronic Environments; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department and LBSC 650. Analysis of information problems, search strategy development, evaluation of electronic resources, command language comparisons, evaluation of search results.

0101	Robert Garber Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0105

LBSC751 **Information Access in the Humanities**

LBSC751 Information Access in the Humanities; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information structure, and information sources and services in the humanities (for example, religion, philosophy, language, literature, history, music history, art history).

0101	Mary Choquette W 5:30pm - 8:15pm	Seats (Total: 25) HBK 0103

LBSC756 **Information Access in Science and Technology**

LBSC756 Information Access in Science and Technology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information structure, and information sources and services in science and technology (for example, biology, chemistry, physics, math, agriculture, computer science, engineering).

0101	Neal Kaske W 5:30pm - 8:15pm	Seats (Total: 25) HBK 0115

LBSC762 **Information Access in the Health Sciences**

LBSC762 Information Access in the Health Sciences; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC650 or permission of instructor. Health sciences reference sources, stressing specialized reference and services characteristic of clinical medicine and health care delivery. Major emphasis on literature searches using MEDLINE and other manual and online databases. Considerable time spent at the National Library of Medicine or another medical library.

0101	Jaime Blanck M 5:30pm - 8:15pm	Seats (Total: 25) HBK 0123

LBSC767 **Access to Federal Government Information**

LBSC767 Access to Federal Government Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information production and structure, information sources and services, and selection policies related to federal government information.

0101	Deborah Klein	Seats (Total: 30)
	W 10:00am - 12:45pm	HBK 2119

LBSC783 **Seminar in Technical Services**

LBSC783 Seminar in Technical Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Technical services in large libraries, including acquisitions, cataloging, serials control, automation, cooperative programs, and managerial controls.

0101	Trudi Hahn	Seats (Total: 25)
	W 1:00pm - 3:45pm	HBK 0109

LBSC785 **Documentation, Collection, and Appraisal of Records**

LBSC785 Documentation, Collection, and Appraisal of Records; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC 605 or permission of instructor. Development of documentation strategies and plans; collecting policies to guide programs in acquiring records; theories and techniques for appraising records to identify those with continuing value.

0101	Bruce Ambacher	Seats (Total: 30)
	Tu 12:30pm - 3:15pm	HBK 2119

LBSC786 **Library and Archives Preservation**

LBSC786 Library and Archives Preservation; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Literature and key issues in the preservation of archival and library materials. The development of preservation programs and the establishment and maintenance of effective management techniques. The nature of the materials from which archives and books are made, causes of damage and deterioration, binding structures and environmental concerns will be discussed within the context of general archives and libraries administration. Most class sessions will be held at the Library of Congress.

0101	Diane Vogt O'Connor W 5:30pm - 8:15pm	Seats (Total: 25) PLS 1146

LBSC793 **Database Design**

LBSC793 Database Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 690. Principles of user-oriented database design. Requirements analysis. Data modelling. Data integrity and security and multi-user databases. Implementing an information system using a database management system (DBMS).

0101	Pengyi Zhang Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0103

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC801 **Introduction to Research**

LBSC801 Introduction to Research; (1 credit) Grade Method: REG/AUD.
For doctoral students in Information Studies; other students by permission of instructor only. Overview of the research process in information studies form designing and conducting a study to disseminating results. Introduction to proposal writing and funding sources.

0101	Derek Hansen M 2:00pm - 3:00pm	Seats (Total: 15) HBK 4113

LBSC888 **Doctoral Seminar; Doctoral Seminar**

LBSC888 Doctoral Seminar: Doctoral Seminar; (3 credits) Grade Method: REG/AUD.

0101	Douglas Oard Th 2:00pm - 4:45pm	Seats (Total: 15) HBK 2119

LBSC898 **Pre-Candidacy Research**

LBSC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC899 **Doctoral Dissertation Research**

LBSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies — Fall 2010

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Not open to students who have completed WMST298E. Credit will be granted for only one of the following: LGBT200 or WMST298E. Formerly WMST298E. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	JV Sapinoso TuTh 9:30am - 10:45am	Seats (Total: 70) SQH 1120

LGBT265 **Introduction to Lesbian, Gay, Bisexual, and Transgender Literature**

LGBT265 Introduction to Lesbian, Gay, Bisexual, and Transgender Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL265. Not open to students who have completed ENGL265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Andre Lorde, Adrienne Rich.

0101	James Goodwin TuTh 9:30am - 10:45am	Seats (Total: 35) HBK 0105

LGBT350 **Lesbian, Gay, Bisexual, and Transgender People and Communication**

LGBT350 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender People and Communication; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LGBT200 (formerly: WMST298E) and permission of program. Study of differences, stereotypes, and values distinguishing LGBT people and of effective means of communicating such differences to non-LGBT people. Emphasis on contemporary LGBT life and on the development of didactic skills. Preparation and presentation of forums on LGBT people; facilitation of workshops in various outreach locations (residence halls, Greek system, classes).

0101	Luke Jensen W 3:30pm - 5:10pm Contact instructor or department for details.	Seats (Total: 10) COL 0101

LGBT359E **Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures; Queer Poetics: Autobiographics in the Age of Facebook**

LGBT359E Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures: Queer Poetics: Autobiographics in the Age of Facebook; (3 credits) Grade Method: REG/P-F/AUD.

0101	Martha Nell Smith	Seats (Total: 35)
	MW 3:30pm - 4:45pm	TWS 1107

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: 9 credits in LGBT studies and permission of program.* Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448F **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; LGBT Families**

LGBT448F Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: LGBT Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Emily Mann	Seats (Total: 35)
	MW 11:00am - 12:15pm	TYD 0111

LGBT488A **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies; Race, Sexuality and the Transnational**

LGBT488A *(PermReq)* **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies: Race, Sexuality and the Transnational; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Christina Hanhardt	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	TWS 3252

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Fall 2010

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. Not open to students who have completed HESP120. Credit will be granted for only one of the following: HESP120 or LING200.
An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Margaret Antonisse MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) LEF 2205 KEY 0102	 Discussion
0102	Margaret Antonisse MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) LEF 2205 MMH 0108	 Discussion
0104	Margaret Antonisse MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) LEF 2205 HBK 1108	 Discussion
0105	Margaret Antonisse MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 TYD 0102	 Discussion
0106	Margaret Antonisse MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 HBK 1112	 Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Required for LING majors and recommended for students in related fields.. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Tonia Bleam	Seats (Total: 50)
	MWF 11:00am - 11:50am	WDS 1114

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Justin Nuger, Maki Kishida	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 0108

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MMH 3418

LING330 **Historical Linguistics**

LING330 Historical Linguistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING321. Recommended: LING311.* A traditional presentation of language change. Language types and families, sounds and writing systems, grammatical categories. Reconstruction of proto-languages by internal and comparative methods. Recommended: LING311 and LING321.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 9:30am - 10:45am	HZF 0106

LING350 **Philosophy of Language**

LING350 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL170 or PHIL173 or PHIL371; or LING311.* The nature and function of language and other forms of symbolism from a philosophical perspective.

0101	Alexander Williams	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SKN 1115

LING410 **Grammar and Meaning**

LING410 Grammar and Meaning; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING 311 or permission of instructor.* The basic notions of semantic theory: reference, quantification, scope relations, compositionality, thematic relations, tense and time, etc. The role these notions play in grammars of natural languages. Properties of logical form and relationship with syntax.

0101	Alexander Williams	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	LEF 1221

LING419D **Topics in Syntax; Reflexivity and Argument Structure**

LING419D Topics in Syntax: Reflexivity and Argument Structure; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Examination of the nature and distribution of reflexive pronouns across languages (with particular focus on English, Spanish, Dutch, & German). Comparison and evaluation of competing theories of reflexivity (including argument structure accounts). Familiarity with textbook binding theory (Principles A, B, & C) is recommended.

0101	Alex Drummond	Seats (Total: 10)
	MW 2:00pm - 3:15pm	LEF 1220

LING419E **Topics in Syntax; The Syntax/Phonology Interface**

LING419E Topics in Syntax: The Syntax/Phonology Interface; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311 and LING321. Recommended: LING312 and LING322.

0101	Bridget Samuels	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	JMZ 1123

LING440 **Grammars and Cognition**

LING440 Grammars and Cognition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING311 and LING321.* Relationship between the structure, development and functioning of grammars and the structure, development and functioning of other mental systems. Interpretations of experimental and observational work on children's language, aphasia, speech production and comprehension.

0101	Mathias Scharinger	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	MMH 3416D

LING444 **Child Language Acquisition**

LING444 Child Language Acquisition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING311.* Examines language acquisition in infancy and early childhood: the nature of children's linguistic representations and how these develop naturally. Role of (possible) innate linguistic structure and interaction of such structure with experience. Evaluation of methods and results of current and classic research leading to contemporary models of language development.

0101	Jeffrey Lidz	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	KEY 0121

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499D **Directed Studies in Linguistics; Neurolinguistic Approaches to Sentence Comprehension**

LING499D Directed Studies in Linguistics: Neurolinguistic Approaches to Sentence Comprehension; (1-3 credits) Grade Method: REG/P-F/AUD. Prerequisite: LING311 and LING321. Examination of how humans comprehend sentences using brain imaging techniques such as EEG, MEG, and fMRI. Students learn to understand and evaluate psycho- and neurolinguistic literature, and will design and conduct their own experimental study.

0101	Pedro Alcocer	Seats (Total: 10)	
	TuTh 4:45pm - 6:00pm	PLS 1180	

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING610 **Syntactic Theory**

LING610 Syntactic Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 312.* Intensive introduction to transformational syntax.

0101	Howard Lasnik	Seats (Total: 15)	
	Tu 2:00pm - 5:00pm	MMH 1108B	
	Th 11:00am - 12:00pm	MMH 1108B	Discussion

LING620 **Phonological Theory**

LING620 Phonological Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 322.* Topics in current phonological theory, as they relate to data from various languages. Segmental and prosodic analysis. Autosegmental theory, metrical theory, etc.

0101	William Idsardi TuTh 9:30am - 11:00am	Seats (Total: 15) ARM 0121

LING640 **Psycholinguistics**

LING640 Psycholinguistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Core graduate course in psycholinguistics, covering leading theoretical approaches and experimental methods in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips MW 12:00pm - 1:30pm	Seats (Total: 20) SKN 1115

LING660 **Introduction to Semantics**

LING660 Introduction to Semantics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Basic concepts and methods of contemporary semantic theory including basic set theory, elementary propositional and predicate calculus, the structure of predicates and propositions, quantification binding. Prepares students for study of more advanced topics in semantics.

0101	Paul Pietroski MW 10:00am - 11:30am	Seats (Total: 15) PLS 1168

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689D **Independent Study; Classic Readings in Syntax**

LING689D Independent Study: Classic Readings in Syntax; (1-3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik, Tonia Bleam M 3:00pm - 5:30pm	Seats (Total: 15) MMH 3418

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik	Seats (Total: 10)
	F 2:00pm - 4:00pm	JMZ 1123

LING723 **Computational Linguistics I**

LING723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421 or equivalent; or permission of instructor. Also offered as CMSC723. Not open to students who have completed LING645. Formerly LING645.* Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantic interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Hal Daume	Seats (Total: 47)
	TuTh 12:30pm - 1:45pm	CSI 2107

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819 **Seminar in Syntactic Theory**

LING819 Seminar in Syntactic Theory; (3 credits) Grade Method: REG/AUD.

0101	Norbert Hornstein	Seats (Total: 15)
	Th 2:00pm - 5:00pm	MMH 1108B

LING848 **Seminar in Computational Linguistics**

LING848 Seminar in Computational Linguistics; (3 credits) Grade Method: REG/AUD.

0101	Philip Resnik W 1:30pm - 4:00pm	Seats (Total: 15) MMH 1108B

LING859 **Seminar in Language Acquisition**

LING859 Seminar in Language Acquisition; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Lidz W 11:00am - 1:25pm	Seats (Total: 15) EGR 3111

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889D **Directed Research; Classic Readings in Syntax**

LING889D Directed Research: Classic Readings in Syntax; (1-8 credits) Grade Method: REG/AUD.

0101	Tonia Bleam, Howard Lasnik M 3:00pm - 5:30pm	Seats (Total: 15) MMH 3418

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING 895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech — Fall 2010

MAIT679A **Special Topics in Mathematics of Advanced Industrial Technology**
Contact department for information to register for this course.

MAIT679L **Special Topics in Mathematics of Advanced Industrial Technology; Wavelet Theory and Applications**

MAIT679L Special Topics in Mathematics of Advanced Industrial Technology: Wavelet Theory and Applications; (3 credits) Grade Method: REG/AUD.

0101	John Benedetto	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	MTH 0304

MATH Mathematics — Fall 2010

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F. *Recommended: for students who plan to take MATH110, MATH111, MATH113, MATH115 or STAT100, but are not currently qualified to do so.* MATH003 is a review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. There is a special fee for this class in addition to the regular tuition charge.

0101	Santuria Orsetti MWF 8:00am - 9:50am	Seats (Total: 35) CEN 0200
0102	Santuria Orsetti MWF 8:00am - 9:50am	Seats (Total: 15) COL 0104
0201	Marguerite Jarchow MWF 10:00am - 11:50am	Seats (Total: 35) CEN 0200
0202	Marguerite Jarchow MWF 10:00am - 11:50am	Seats (Total: 15) COL 0104
0301	Justin Malin MWF 12:00pm - 1:50pm	Seats (Total: 35) CEN 0200
0302	Justin Malin MWF 12:00pm - 1:50pm	Seats (Total: 15) COL 0104
0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 35) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 15) COL 0104

0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 35) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 15) COL 0104
FC01	Jack Baker MW 6:00pm - 8:45pm *Restricted to students in Freshmen Connection. There is no additional fee for Freshmen Connection Sections of MATH 003.*	Seats (Total: 30) CEN 0200
FC02	David Flynn TuTh 6:00pm - 8:45pm *Restricted to students in Freshmen Connection. There is no additional fee for Freshmen Connection Sections of MATH 003.*	Seats (Total: 30) CEN 0200

MATH010 **Algebra for MATH 110**

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively, and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course, provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1101	Elizabeth Shearn MTuWThF 10:00am - 10:50am	Seats (Total: 32) ARM 0105
1201	Elizabeth Shearn MTuWThF 11:00am - 11:50am	Seats (Total: 32) ARM 0105

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Ben Bezejouh MTuWThF 8:00am - 8:50am	Seats (Total: 32) ARM 0116
1201	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 32) ARM 0116

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 10:00am - 10:50am	Seats (Total: 30) ARM 0116
1201	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 30) ARM 0116
1301	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 30) ARM 0116
1501	Debra Franklin MTuWThF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Stephen Kcenich MTuWThF 8:00am - 8:50am	Seats (Total: 37) ARM 0119

1301	Esther David MTuWThF 1:00pm - 1:50pm	Seats (Total: 37) MTH B0429

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI83 or TI83+ calculator.

0101	Karamatou Yacoubou Djima MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0405
0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0105
0301	Julie Daberkow MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0409
FC01	Karamatou Yacoubou Djima MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) MTH 0411

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility or MATH110. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT100 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Lee Mendelowitz MWF 1:00pm - 1:50pm	Seats (Total: 31) MTH 0307	
0102	Jennifer Clarkson MWF 1:00pm - 1:50pm	Seats (Total: 31) MTH 0106	
0201	Lee Mendelowitz MWF 2:00pm - 2:50pm	Seats (Total: 31) MTH 0307	
0202	Jennifer Clarkson MWF 2:00pm - 2:50pm	Seats (Total: 31) MTH 0106	
0311	Marguerite Jarchow MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH B0427	 Discussion
0312	Marguerite Jarchow MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 29) ARM 0131 ARM 0117	 Discussion
0321	Marguerite Jarchow MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH B0427	 Discussion
0322	Marguerite Jarchow MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 29) ARM 0131 ARM 0110	 Discussion

0331	Marguerite Jarchow MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0332	Marguerite Jarchow MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0131 ARM 0103	Discussion
0341	Marguerite Jarchow MWF 8:00am - 8:50am Tu 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0342	Marguerite Jarchow MWF 8:00am - 8:50am Tu 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 ARM 0117	Discussion
0411	William Schildknecht MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0135 MTH B0427	Discussion
0421	William Schildknecht MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 29) ARM 0135 MTH 0106	Discussion
0431	William Schildknecht MWF 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0135 MTH 0106	Discussion
0441	William Schildknecht MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 29) ARM 0135 MTH B0427	Discussion
FC01	Jens Christensen TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0201	
FC02	Hisham Sati TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0306	

FC03	Douglas Galagate TuTh 4:30pm - 5:45pm	Seats (Total: 30) MTH 0106

MATH112 **College Algebra with Applications and Trigonometry**

MATH112 College Algebra with Applications and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department, based on math placement exam or MATH003 performance. Not open to students who have completed MATH140 or MATH220 or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: (i) MATH112, or (ii) MATH113, or (iii) (MATH110 and MATH115). Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

0101	Vaughn Climenhaga MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0201
0102	Brett Williams MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0306
0103	Oliver Rourke MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0409
0201	Vaughn Climenhaga MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0201
0202	Brett Williams MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0306
0203	Oliver Rourke MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0409

MATH113 **College Algebra with Applications**

MATH113 College Algebra with Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH110. Not open to students who have completed MATH140, MATH220, or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: MATH112; or MATH113; or (MATH110 and MATH115). Preparation for MATH220. Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101	Jeremy Schwartz MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0304	
0102	Arseny Zakharov MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0106	
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 30) ARM 0119	
0202	Arseny Zakharov MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0106	
0301	Sompong Chuysurichay MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0304	
0302	Geetanjali Kachari MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0306	
0401	Sompong Chuysurichay MWF 4:00pm - 4:50pm	Seats (Total: 27) MTH 0304	
0402	Geetanjali Kachari MWF 4:00pm - 4:50pm	Seats (Total: 27) MTH 0306	
0511	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 27) ARM 0135 MTH 0405	 Discussion

0512	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0521	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0522	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0531	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0532	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
FC01	Raluca Rosca MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CHE 2136	
FC02	Douglas Galagate MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0103	
FC03	Jeremy Schwartz MW 6:00pm - 7:15pm	Seats (Total: 30) MTH 0403	

MATH115 Precalculus

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH113. Not open to students who have completed MATH140 or any MATH or STAT course for which MATH140 is a prerequisite. Credit will be granted for only one of the following: MATH113 or MATH115.* Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH220 or MATH140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0101	Scott Schmieding MWF 8:00am - 8:50am	Seats (Total: 27) MTH 0303
0102	Kevin McGoff MWF 8:00am - 8:50am	Seats (Total: 27) MTH 0201
0103	Maxx Cho MWF 8:00am - 8:50am	Seats (Total: 27) MTH 0304
0104	Stephen Balady MWF 8:00am - 8:50am	Seats (Total: 27) ARM 0117
0105	Whitney Johnson MWF 8:00am - 8:50am	Seats (Total: 20) EDU 0206
0201	Scott Schmieding MWF 9:00am - 9:50am	Seats (Total: 27) MTH 0303
0202	Kevin McGoff MWF 9:00am - 9:50am	Seats (Total: 28) MTH 0201
0203	Maxx Cho MWF 9:00am - 9:50am	Seats (Total: 28) MTH 0304
0204	Stephen Balady MWF 9:00am - 9:50am	Seats (Total: 28) ARM 0117

0205	Whitney Johnson MWF 9:00am - 9:50am	Seats (Total: 20) EDU 0206	
FC01	Esther David MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0303	
FC02	Edgar Lopez-Escobar MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0307	
FC03	Raluca Rosca MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0201	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH 112, MATH113, or MATH115; or equivalent; or permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM. Restricted to students with majors in College of Chemical and Life Sciences. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140, or MATH220. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Courtney Davis TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 26) ARM 0135 MTH B0421	 Discussion
0112	Courtney Davis TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 26) ARM 0135 MTH B0427	 Discussion
0121	Courtney Davis TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 26) ARM 0135 MTH B0421	 Discussion

0122	Courtney Davis TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 26) ARM 0135 MTH B0429	Discussion
0131	Courtney Davis TuTh 9:30am - 10:45am MW 12:00pm - 12:50pm	Seats (Total: 26) ARM 0135 MTH B0425	Discussion
0132	Courtney Davis TuTh 9:30am - 10:45am MW 12:00pm - 12:50pm	Seats (Total: 26) ARM 0135 MTH B0427	Discussion
0141	Courtney Davis TuTh 9:30am - 10:45am MW 1:00pm - 1:50pm	Seats (Total: 26) ARM 0135 MTH B0425	Discussion
0142	Courtney Davis TuTh 9:30am - 10:45am MW 1:00pm - 1:50pm	Seats (Total: 26) ARM 0135 MTH B0427	Discussion
0211	Casey Cremins TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 26) ARM 0135 BPS 1238	Discussion
0221	Casey Cremins TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 26) ARM 0135 BPS 1238	Discussion
0231	Casey Cremins TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 26) ARM 0135 BPS 1234	Discussion
0241	Casey Cremins TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 26) ARM 0135 BPS 1234	Discussion

MATH131 Calculus II for Life Sciences

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C (2.0) or better in MATH130 or MATH140 or equivalent. Restricted to students with majors in College of Chemical & Life Sciences. Credit will be granted for only one of the following: MATH131, MATH141, or MATH221.
Continuation of MATH130, including an introduction to autonomous differential equations, probability (includin\g conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0112	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0425	Discussion
0121	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0122	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0425	Discussion
0131	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0132	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0141	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 3:00pm - 3:50pm	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0142	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 3:00pm - 3:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion

0211	Timothy Pilachowski TuTh 9:30am - 10:45am WF 10:00am - 10:50am	Seats (Total: 30) ARM 0119 MTH 0302	Discussion
0221	Timothy Pilachowski TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 30) ARM 0119 MTH 0407	Discussion

MATH140 **Calculus I**

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. There will be 3 one-hour lectures and 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 23) PHY 1412 MTH 0102	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 23) PHY 1412 MTH 0302	Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 23) PHY 1412 MTH 1311	Discussion

0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 23) PHY 1412 MTH 0102	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 23) PHY 1412 MTH 0302	Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 23) PHY 1412 MTH B0429	Discussion
0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) PHY 1412 MTH 0102	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) PHY 1412 MTH 1308	Discussion
0211	Frances Gulick MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0411	Discussion
0212	Frances Gulick MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0302	Discussion
0213	Frances Gulick MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0303	Discussion
0221	Frances Gulick MWF 9:00am - 9:50am TuTh 12:30pm - 1:50pm	Seats (Total: 23) ARM 0126 MTH 0411	Discussion
0222	Frances Gulick MWF 9:00am - 9:50am TuTh 12:30pm - 1:50pm	Seats (Total: 23) ARM 0126 MTH 0302	Discussion

0223	Frances Gulick MWF 9:00am - 9:50am TuTh 12:30pm - 1:50pm	Seats (Total: 23) ARM 0126 MTH 0405	Discussion
0231	Frances Gulick MWF 9:00am - 9:50am TuTh 2:00pm - 3:20pm	Seats (Total: 23) ARM 0126 MTH 0411	Discussion
0232	Frances Gulick MWF 9:00am - 9:50am TuTh 2:00pm - 3:20pm	Seats (Total: 23) ARM 0126 MTH 0405	Discussion
0311	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 CHM 0124	Discussion
0312	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0403	Discussion
0313	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0104	Discussion
0321	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 23) ARM 0126 MTH 0307	Discussion
0322	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 23) ARM 0126 MTH 0403	Discussion
0323	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 23) ARM 0126 MTH 0102	Discussion
0331	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	Seats (Total: 23) ARM 0126 MTH 0407	Discussion

0332	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	Seats (Total: 23) ARM 0126 MTH 0403	Discussion
0411	Karin Melnick MWF 2:00pm - 2:50pm TuTh 9:30am - 10:50am	Seats (Total: 23) ARM 0126 MTH 0104	Discussion
0412	Karin Melnick MWF 2:00pm - 2:50pm TuTh 9:30am - 10:50am	Seats (Total: 23) ARM 0126 MTH 0303	Discussion
0413	Karin Melnick MWF 2:00pm - 2:50pm TuTh 9:30am - 10:50am	Seats (Total: 23) ARM 0126 MTH 0105	Discussion
0421	Karin Melnick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0409	Discussion
0422	Karin Melnick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0201	Discussion
0423	Karin Melnick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 23) ARM 0126 MTH 0101	Discussion
0431	Karin Melnick MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 23) ARM 0126 MTH 0401	Discussion
0432	Karin Melnick MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 23) ARM 0126 MTH 0102	Discussion
FC01	Sebastien Motsch MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 21) MTH 0101	

FC02	Knut Waagan MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 21) ARM 0117
FC03	Hantaek Bae MW 3:00pm - 4:15pm Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 21) MTH 0105 MTH 0201
FC04	Earnest Harrison MW 3:00pm - 4:15pm Th 3:00pm - 4:15pm	Seats (Total: 21) MTH 0401 MTH 0104

MATH140H **Calculus I**

MATH140H Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220. For general honors students only. Offered fall only. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 TI-83+, or TI-86 calculator.

0101	Manoussos Grillakis WF 11:00am - 11:50am M 11:00am - 12:50pm	Seats (Total: 25) MTH 1308 MTH 0101
0201	McBlaine Boyle WF 1:00pm - 1:50pm M 1:00pm - 2:50pm	Seats (Total: 25) MTH 0403 MTH 0403

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0111	Scott Wolpert MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 26) ARM 0131 MTH 0409	Discussion
0112	Scott Wolpert MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 26) ARM 0131 MTH 0106	Discussion
0121	Scott Wolpert MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0409	Discussion
0122	Scott Wolpert MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 26) ARM 0131 MTH 0106	Discussion
0131	Scott Wolpert MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 1308	Discussion
0132	Scott Wolpert MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0409	Discussion
0141	Scott Wolpert MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH B0429	Discussion

0142	Scott Wolpert MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH 1313	 Discussion
0211	Wojciech Czaja MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0306	 Discussion
0212	Wojciech Czaja MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH B0429	 Discussion
0221	Wojciech Czaja MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0306	 Discussion
0222	Wojciech Czaja MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH B0423	 Discussion
0231	Wojciech Czaja MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH 0306	 Discussion
0241	Wojciech Czaja MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH 0306	 Discussion
0251	Wojciech Czaja MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0306	 Discussion
0261	Wojciech Czaja MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0306	 Discussion
0311	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 ARM 0121	 Discussion

0312	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0304	 Discussion
0321	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 ARM 0103	 Discussion
0322	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0304	 Discussion
0331	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0131 MTH 0307	 Discussion
0332	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0131 MTH B0427	 Discussion
0341	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH 0307	 Discussion
0342	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH 0302	 Discussion
FC01	Julia Dobrosotskaya MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) CSS 1113	

MATH141H Calculus II

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. For general honors students only. TI graphics calculator required. Instructor will use a TI-83, TI-83+, or TI-86 calculator.

0101	C Warner MF 12:00pm - 12:50pm W 12:00pm - 1:50pm	Seats (Total: 25) MTH 0407 MTH 0407
0201	Horst Winkelnkemper MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 25) MTH 0103 MTH 0103

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: One year of college preparatory algebra. Restricted to elementary, early childhood, and special education majors. Not open to students who have completed MATH210 with a grade of C- or better. Credit will be granted for only one of the following: MATH210 or MATH212. Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

0101	Sabrina Rainwater MWF 8:00am - 8:50am	Seats (Total: 29) MTH 1308
0201	Sabrina Rainwater MWF 9:00am - 9:50am	Seats (Total: 29) MTH 1308
0301	Benjamin Lauser MWF 10:00am - 10:50am	Seats (Total: 29) MTH 1308
0501	Benjamin Lauser MWF 1:00pm - 1:50pm	Seats (Total: 29) MTH 1308

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH213.
Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Terence Long MWF 8:00am - 8:50am	Seats (Total: 28) MTH B0425
0201	Terence Long MWF 9:00am - 9:50am	Seats (Total: 28) MTH B0425

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH214.
Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 32) CHM 0122
0201	Joshua Himmelsbach MWF 10:00am - 10:50am	Seats (Total: 32) CHM 0122

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM, or MATH112, or MATH113, or MATH115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220.
Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Charles Levermore MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0112	Charles Levermore MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0305	Discussion
0121	Charles Levermore MWF 11:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0122	Charles Levermore MWF 11:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0305	Discussion
0131	Charles Levermore MWF 11:00am - 11:50am Th 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0132	Charles Levermore MWF 11:00am - 11:50am Th 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0305	Discussion
0141	Charles Levermore MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0305	Discussion
0142	Charles Levermore MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 29) ARM 0126 ARM 0121	Discussion

0211	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion
0212	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 MTH 0106	Discussion
0221	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 1:00pm - 1:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion
0222	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 1:00pm - 1:50pm	Seats (Total: 29) ARM 0131 MTH 0106	Discussion
0231	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion
0241	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 3:00pm - 3:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion
0311	Justin Wyss-Gallifent MWF 1:00pm - 1:50pm Tu 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 MTH 0106	Discussion
0312	Justin Wyss-Gallifent MWF 1:00pm - 1:50pm Tu 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion
0321	Justin Wyss-Gallifent MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 29) ARM 0131 MTH 0106	Discussion
0322	Justin Wyss-Gallifent MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion

0331	Justin Wyss-Gallifent MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion
0341	Justin Wyss-Gallifent MWF 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 29) ARM 0131 MTH 0305	Discussion
0411	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH B0429	Discussion
0431	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 29) ARM 0126 MTH 0411	Discussion
0441	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 29) ARM 0126 MTH 0101	Discussion
0451	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 29) ARM 0126 MTH B0425	Discussion
0511	Timothy Pilachowski TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0106	Discussion
0531	Timothy Pilachowski TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0541	Timothy Pilachowski TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0551	Timothy Pilachowski TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 29) ARM 0126 MTH 0405	Discussion

FC01	Timothy Pilachowski MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 1308	
FC02	Richard Rast MW 6:00pm - 7:15pm	Seats (Total: 30) MTH 0303	
FC03	Abner Salgado Gonzalez MW 6:00pm - 7:15pm	Seats (Total: 30) MTH 0201	

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH 130 or MATH140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0111	Lawrence Washington TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 25) ARM 0131 MTH 0101	Discussion
0121	Lawrence Washington TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) ARM 0131 MTH 0101	Discussion
0131	Lawrence Washington TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 25) ARM 0131 MTH 0307	Discussion
0132	Lawrence Washington TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 25) ARM 0131 MTH B0421	Discussion
0141	Lawrence Washington TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) ARM 0131 MTH 0307	Discussion

0142	Lawrence Washington TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) ARM 0131 MTH B0421	 Discussion

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH141 or equivalent. Credit will be granted for only one of the following: MATH240, MATH341, MATH400, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	Matei Machedon MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 ARM 0119	 Discussion
0112	Matei Machedon MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 MTH B0423	 Discussion
0121	Matei Machedon MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 ARM 0119	 Discussion
0122	Matei Machedon MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 MTH B0423	 Discussion
0131	Matei Machedon MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0135 MTH 0409	 Discussion
0132	Matei Machedon MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0135 MTH 0101	 Discussion
0141	Matei Machedon MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH 0409	 Discussion

0142	Matei Machedon MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH 0103	 Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0104	 Discussion
0112	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0303	 Discussion
0121	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH B0425	 Discussion
0122	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0403	 Discussion
0131	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH 0403	 Discussion
0132	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH 0304	 Discussion
0141	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH 0105	 Discussion

0142	Jonathan Rosenberg MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 ARM 0119	Discussion
0211	Richard Wentworth MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 29) ARM 0135 MTH 0307	Discussion
0212	Richard Wentworth MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH 0101	Discussion
0221	Richard Wentworth MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 29) ARM 0135 MTH 0307	Discussion
0222	Richard Wentworth MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH 0304	Discussion
0231	Richard Wentworth MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 29) ARM 0135 MTH 0307	Discussion
0232	Richard Wentworth MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 29) ARM 0135 JMP 2202	Discussion
0241	Richard Wentworth MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 29) ARM 0135 MTH 0307	Discussion
0242	Richard Wentworth MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0135 EGR 3102	Discussion
0311	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0423	Discussion

0312	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 JMP 1202	Discussion
0313	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 ARM 0112	Discussion
0321	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH B0423	Discussion
0322	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 JMP 1202	Discussion
0323	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 ARM 0117	Discussion
0331	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 ARM 0103	Discussion
0332	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 EGR 3102	Discussion
0341	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0342	Dionisios Margetis MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0103	Discussion

MATH241H **Calculus III**

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. For general honors students only.

0101	Peter Wolfe MTuWF 1:00pm - 1:50pm	Seats (Total: 25) ARM 0105	
0201	Melissa Macasieb MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 25) MTH 0105 CHM 0124	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0112	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0307	Discussion
0121	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0122	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0307	Discussion
0131	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0132	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0307	Discussion

0141	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0142	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0307	Discussion
0211	Radu Balan TuTh 3:30pm - 4:45pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0212	Radu Balan TuTh 3:30pm - 4:45pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0306	Discussion
0221	Radu Balan TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0222	Radu Balan TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0306	Discussion
0231	Radu Balan TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0232	Radu Balan TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0241	Radu Balan TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0305	Discussion
0242	Radu Balan TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0303	Discussion

MATH246H Differential Equations for Scientists and Engineers

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341.

0101	David Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0401

MATH274 **History of Mathematics**

MATH274 History of Mathematics; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: MATH140 or MATH220. An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world.

0101	Edgar Lopez-Escobar MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0304

MATH299A **Selected Topics in Mathematics**

MATH299A *(PermReq)* **Selected Topics in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH299B **Selected Topics in Mathematics; Putnam Express**

MATH299B Selected Topics in Mathematics: Putnam Express; (1 credit) Grade Method: REG/P-F/AUD.

0101	Brian Hunt W 4:00pm - 5:30pm	Seats (Total: 20) MTH 0102

MATH310 **Introduction to Analysis**

MATH310 Introduction to Analysis; (3 credits) Grade Method: REG.
Prerequisite: MATH141. Corequisite: MATH241. Math majors may not use this course to satisfy an upper-level requirement. For MATH majors only. To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Kathryn Truman	Seats (Total: 29)
	MWF 12:00pm - 12:50pm	MTH 0405

MATH312 **Mathematical Reasoning and Proof for Pre-Service Middle School Teachers**

MATH312 Mathematical Reasoning and Proof for Pre-Service Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
For Elementary, Middle School and Special Education Majors or permission of department. Prerequisite: MATH212 and MATH213. Reasoning and proof as addressed in the middle school curriculum. Topics include proportional reasoning, logic and proof, types of numbers, field axioms, Euclidean and nonEuclidean geometry.

0101	Richard Hollenbeck	Seats (Total: 20)
	MW 2:00pm - 3:15pm	MTH B0425

MATH315 **Algebra for Preservice Middle School Teachers**

MATH315 Algebra for Preservice Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
For elementary, middle school or special education majors, or permission of department. Prerequisite: MATH212. Credit will be granted for only one of the following: MATH112, MATH113, or MATH315. Algebraic concepts and techniques developed in the middle grades, with their larger mathematical context. Equations, inequalities and functions (linear, polynomial, exponential, logarithmic), with multiple representations of relationships. Common misconceptions of beginning algebra students.

0101	Karen McLaren	Seats (Total: 30)
	MW 4:00pm - 5:15pm	MTH 0305

MATH340 **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)**

MATH340 *(PermReq)* **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH140; MATH141; and permission of department. Credit will be granted for only one of the following: MATH241 or MATH340. First semester of the MATH340-341 sequence which gives a unified and enriched treatment of multivariable calculus, linear algebra and ordinary differential equations, with supplementary material from subjects such as differential geometry, Fourier series and calculus of variations. Students completing MATH340-341 will have covered the material of MATH240, MATH241, and MATH246, and may not also receive credit for MATH240, MATH241 or MATH246.

0101	Niranjan Ramachandran MWF 9:00am - 10:15am	Seats (Total: 28) MTH 0104
0201	Jeffrey Adams MWF 11:00am - 12:15pm	Seats (Total: 28) ARM 0117

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Kasso Okoudjou MWF 9:00am - 9:50am	Seats (Total: 32) ARM 0110

0201	Harland Glaz TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0401
0301	Harland Glaz TuTh 3:30pm - 4:45pm	Seats (Total: 32) MTH B0421

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or equivalent. Not open to mathematics graduate students. Credit will be granted for only one of the following: MATH402 or MATH403. For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Joel Cohen TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 3114

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or equivalent. Credit will be granted for only one of the following: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	James Schafer TuTh 12:30pm - 1:45pm	Seats (Total: 35) MTH 0303

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	Giovanni Forni MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0304

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 or permission of department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Melissa Macasieb MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0103
0201	Niranjan Ramachandran MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0411
0301	Lawrence Washington TuTh 11:00am - 12:15pm	Seats (Total: 39) MTH B0421

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241, with grade of C or better; and permission of department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Leonid Koralov MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0105
0201	Matei Machedon MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH B0421
0301	Hisham Sati TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0105
0401	Michael Jakobson TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0306

0501	Charles Levermore	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	MTH 0303

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Continuation of MATH410.

0101	Peter Wolfe	Seats (Total: 25)
	MWF 10:00am - 10:50am	CHM 2201

MATH424 **Introduction to the Mathematics of Finance**

MATH424 *(PermReq)* **Introduction to the Mathematics of Finance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141; and either STAT400 or BMGT231 and permission of department. Recommended: MATH240, MATH241, or MATH246. Credit will be granted for only one of the following: BMGT444, MATH424 or MATH498F. Formerly MATH498F. Introduction to the mathematical models used in finance and economics with emphasis on pricing derivative instruments. Designed for students in mathematics, computer science, engineering, finance and physics. Financial markets and instruments; elements from basic probability theory; interest rates and present value analysis; normal distribution of stock returns; option pricing; arbitrage pricing theory; the multiperiod binomial model; the Black-Scholes option pricing formula; proof of the Black-Scholes option pricing formula and applications; trading and hedging of options; Delta hedging; utility functions and portfolio theory; elementary stochastic calculus; Ito's Lemma; the Black-Scholes equation and its conversion to the heat equation.

0101	Manoussos Grillakis	Seats (Total: 35)
	MWF 9:00am - 9:50am	PHY 0405

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyerbolic geometry. Existence and properties of isometries.

0101	Aaron Magid	Seats (Total: 33)
	MWF 2:00pm - 2:50pm	EGR 2154

MATH431 **Geometry for Computer Graphics**

MATH431 Geometry for Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Topics from projective geometry and transformation geometry, emphasizing the two-dimensional representation of three-dimensional objects and objects moving about in the plane and space. The emphasis will be on formulas and algorithms of immediate use in computer graphics.

0101	William Goldman	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MTH 0103

MATH432 **Introduction to Topology**

MATH432 Introduction to Topology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 or equivalent. Metric spaces, topological spaces, connectedness, compactness (including Heine-Borel and Bolzano-Weierstrass theorems), Cantor sets, continuous maps and homeomorphisms, fundamental group (homotopy, covering spaces, the fundamental theorem of algebra, Brouwer fixed point theorem), surfaces (e.g., Euler characteristic, the index of a vector field, hairy sphere theorem), elements of combinatorial topology (graphs and trees, planarity, coloring problems).

0101	Joel Cohen	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH B0425

MATH436 **Differential Geometry of Curves and Surfaces I**

MATH436 Differential Geometry of Curves and Surfaces I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241; and either MATH240 or MATH461; and two 400-level MATH courses (not including MATH400, 461 and 478). Curves in the plane and Euclidean space, moving frames, surfaces in Euclidean space, orientability of surfaces; Gaussian and mean curvatures; surfaces of revolution, ruled surfaces, minimal surfaces, special curves on surfaces, "Theorema Egregium"; the intrinsic geometry of surfaces.

0101	Scott Wolpert	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH B0421

MATH445 **Elementary Mathematical Logic**

MATH445 Elementary Mathematical Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH445 or MATH450/CMSC450. Elementary development of propositional and predicate logic, including semantics and deductive systems and with a discussion of completeness, incompleteness and the decision problem.

0101	David Kueker	Seats (Total: 29)
	MWF 11:00am - 11:50am	MTH 0304

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351 and permission of department. Also offered as CMSC456. Credit will be granted for only one of the following: MATH456 or CMSC456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Jonathan Katz	Seats (Total: 40)
	MW 3:30pm - 4:45pm	CSI 1121

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141 and one MATH/STAT course for which MATH141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH240, MATH341, MATH400 or MATH461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Antoine Mellet TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 32) ARM 0135 MTH 0105	 Discussion
0112	Antoine Mellet TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 33) ARM 0135 MTH 0101	 Discussion
0121	Antoine Mellet TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 32) ARM 0135 MTH 0105	 Discussion
0122	Antoine Mellet TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 33) ARM 0135 MTH 0305	 Discussion
0131	Antoine Mellet TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 33) ARM 0135 MTH 0101	 Discussion
0132	Antoine Mellet TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 33) ARM 0135 MTH 0103	 Discussion

MATH462 Partial Differential Equations for Scientists and Engineers

MATH462 Partial Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and MATH246. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Maria Cameron TuTh 11:00am - 12:15pm	Seats (Total: 36) ANS 0412

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	David Hamilton MWF 11:00am - 11:50am	Seats (Total: 25) MTH B0429
0201	Horst Winkelnkemper MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0306

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Proc essing, PDEs of Mathematical Physics, Communcations, Inverse Problems.

0101	Wojciech Czaja MWF 1:00pm - 1:50pm	Seats (Total: 36) MTH B0421

MATH470 **Mathematics for Secondary Education**

MATH470 Mathematics for Secondary Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH140, MATH141, and one 400-level Math course. Not open to students who have completed MATH498E. Credit will be granted for only one of the following: MATH470 or MATH498E. Formerly MATH498E. An advanced perspective on some of the core mathematics underlying high school mathematics courses. Topics include number systems, functions of one variable, equations, inequalities, trigonometric functions, curve fitting, and polynomials. The course includes an analysis of alternate approaches to mathematical ideas and problems, and makes connections between ideas that may have been studied separately in different high school and college courses.

0101	Frances Gulick	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH 1308

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH480 **Algebra for Middle School Teachers**

MATH480 Algebra for Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to middle school teachers. This course cannot be used toward the upper level math requirement for MATH and STAT majors. Prerequisite: MATH214 or equivalent. Not open to students who have completed MATH498C. Credit will be granted for only one of the following: MATH480, MATH483, or MATH498C. Formerly MATH498C. Prepares teachers with elementary certification to teach Algebra 1 in middle school. Focuses on basic algebra concepts and related theoretical ideas.

IHP1	Karen McLaren	Seats (Total: 19)
	Meets September 2, 2010 - December 16, 2010	
	Th 5:00pm - 8:00pm	Location: TBA
	Outreach EDCI MS MATH Program, MCPS Cohort, Shady Grove, Department Permission Required.	

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498H **Selected Topics in Mathematics; Introduction to Fractal Geometry and Dynamical Systems**

MATH498H Selected Topics in Mathematics: Introduction to Fractal Geometry and Dynamical Systems; (3 credits) Grade Method: REG.
Prerequisite: MATH141, and {MATH240 or MATH461}. Also offered as MATH498P. Credit will be granted for only one of the following: MATH498H or MATH498P.

0101	Yakov Pesin	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 0103

MATH498K **Selected Topics in Mathematics; Number for Middle School Teachers**

MATH498K Selected Topics in Mathematics: Number for Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.

IHP1	Karen McLaren	Seats (Total: 22)
	Tu 5:00pm - 8:00pm	Location: TBA
	College of Education/Math Program, Outreach offering. Departmental permission required. Contact Diane James at djames1@umd.edu.	

MATH498P **Selected Topics in Mathematics; Introduction to Fractal Geometry and Dynamical Systems**

MATH498P Selected Topics in Mathematics: Introduction to Fractal Geometry and Dynamical Systems; (3 credits) Grade Method: REG.
Also offered as MATH498H. MATH498P. Credit will be granted for only one of the following: MATH498H or MATH498P.

0101	Yakov Pesin	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 0103

MATH600 **Abstract Algebra I**

MATH600 Abstract Algebra I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 403 and MATH405; or equivalent. Groups with operators, homomorphism and isomorphism theorems, normal series, Sylow theorems, free groups, Abelian groups, rings, integral domains, fields, modules. Topics may include HOM (A,B), Tensor products, exterior algebra. Offered fall only.

0101	Harry Tamvakis	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 1311

MATH602 **Homological Algebra**

MATH602 Homological Algebra; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 600. Projective and injective modules, homological dimensions, derived functors, spectral sequence of a composite functor. Applications.

0101	James Schafer	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MTH 0411

MATH608A **Selected Topics in Algebra**

MATH608A Selected Topics in Algebra; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH630 **Real Analysis I**

MATH630 Real Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 411 or equivalent. Lebesgue measure and the Lebesgue integral on R, differentiation of functions of bounded variation, absolute continuity and fundamental theorem of calculus, Lp spaces on R, Riesz-Fischer theorem, bounded linear functionals on Lp, measure and outer measure, Fubini's theorem.

0101	C Warner	Seats (Total: 34)
	MWF 10:00am - 10:50am	CHM 0124

MATH632 **Functional Analysis**

MATH632 Functional Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 631. Introduction to functional analysis and operator theory: normed linear spaces, basic principles of functional analysis, bounded linear operators on Hilbert spaces, spectral theory of selfadjoint operators, applications to differential and integral equations, additional topics as time permits.

0101	Patrick Fitzpatrick	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH B0421

MATH642 **Dynamical Systems I**

MATH642 Dynamical Systems I; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 432; and MATH 630 or equivalent. Foundations of topological dynamics, homeomorphisms, flows, periodic and recurrent points, transitivity and minimality, symbolic dynamics. Elements of ergodic theory, invariant measures and sets, ergodicity, ergodic theorems, mixing, spectral theory, flows and sections. Applications of dynamical systems to number theory, the Weyl theorem, the distribution of values of polynomials, Vander Waerden's theorem on arithmetic progressions. Offered fall only.

0101	Michael Jakobson	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH 0407

MATH648A **Selected Topics in Analysis**

MATH648A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH648E **Selected Topics in Analysis; Symbolic Dynamics**

MATH648E Selected Topics in Analysis: Symbolic Dynamics; (1-3 credits) Grade Method: REG/AUD.

0101	McBlaine Boyle TuTh 9:30am - 10:45am	Seats (Total: 30) EGR 1102

MATH648L **Selected Topics in Analysis; Wavelet Theory and Applications**

MATH648L Selected Topics in Analysis: Wavelet Theory and Applications; (3 credits) Grade Method: REG/AUD.

0101	John Benedetto TuTh 3:30pm - 4:45pm	Seats (Total: 30) MTH 0304

MATH648O **Selected Topics in Analysis; Topics in Classical Mechanics**

MATH648O Selected Topics in Analysis: Topics in Classical Mechanics; (1 credit) Grade Method: REG/AUD.

0101	Stuart Antman M 4:00pm - 4:50pm	Seats (Total: 20) MTH 0102

MATH668A **Selected Topics in Complex Analysis**

MATH668A Selected Topics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH668B **Selected Topics in Complex Analysis; Complex Geometry**

MATH668B Selected Topics in Complex Analysis: Complex Geometry; (1-3 credits) Grade Method: REG/AUD.

0101	Richard Wentworth MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0102

MATH670 **Ordinary Differential Equations I**

MATH670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisites: MATH 405; and MATH 410 or the equivalent. Also offered as AMSC 670. Credit will be granted for only one of the following: AMSC 670, MAPL 670 OR MATH 670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only.

0101	Stuart Antman	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH 0304

MATH673 **Partial Differential Equations I**

MATH673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 411 or equivalent. Also offered as AMSC 673. Credit will be granted for only one of the following: AMSC 673, MAPL 673 or MATH 673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only.

0101	Dionisios Margetis	Seats (Total: 30)
	MWF 9:00am - 9:50am	MTH 0103

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH695 **Teaching Seminar**

MATH695 Teaching Seminar; (1 credit) Grade Method: REG.
For MATH majors only. A course intended for first year teaching assistants. Topics include: everyday mechanics of teaching; teaching methods and styles; technology; course enrichment, diversity in the classroom; sexual harassment; teacher-student interactions; presentations by students.

0101	Justin Wyss-Gallifent W 4:00pm - 5:30pm	Seats (Total: 30) MTH B0421

MATH712 **Mathematical Logic I**

MATH712 Mathematical Logic I; (3 credits) Grade Method: REG/AUD.
Sentential logic, first-order languages, models and formal deductions. Basic model theory including completeness and compactness theorems, other methods of constructing models, and applications such as non-standard analysis. Offered fall only.

0101	David Kueker MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 1313

MATH718A **Selected Topics in Mathematical Logic**

MATH718A Selected Topics in Mathematical Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH718D **Selected Topics in Mathematical Logic; Model Theory and Number Theory**

MATH718D Selected Topics in Mathematical Logic: Model Theory and Number Theory; (1-3 credits) Grade Method: REG/AUD.

0101	Michael Laskowski TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 1311

MATH730 **Fundamental Concepts of Topology**

MATH730 Fundamental Concepts of Topology; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 410, and MATH 411, and MATH 403; or equivalent. Survey of basic point set topology, fundamental group, covering spaces, Van Kampen's theorem, simplicial complexes, simplicial homology, Euler characteristics and classification of surfaces.

0101	Sergei Novikov	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 0101

MATH740 **Riemannian Geometry**

MATH740 Riemannian Geometry; (3 credits) Grade Method: REG/AUD. *Prerequisites: {MATH 405; and MATH 411} or equivalent.* Manifolds, tangent vectors and differential forms, Riemannian metrics, connections, curvature, structure equations, geodesics, completeness, immersions, tensor algebra, Lie derivative.

0101	William Goldman	Seats (Total: 27)
	TuTh 12:30pm - 1:45pm	MTH 0104

MATH744 **Lie Groups I**

MATH744 Lie Groups I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 403, MATH 405, MATH 411 and MATH 432; or equivalent.* An introduction to the fundamentals of Lie groups, including some material on groups of matrices and Lie algebras.

0101	Jonathan Rosenberg	Seats (Total: 30)
	MWF 11:00am - 11:50am	MTH 1313

MATH748A **Selected Topics in Geometry and Topology**

MATH748A Selected Topics in Geometry and Topology; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Fall 2010

MEES498I **Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

MEES498I Topics in Marine-Estuarine-Environmental Sciences: Chesapeake Bay Health; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 20)	
	MW 3:30pm - 5:00pm	COL 0105	

MEES607 **Quantitative Methods in Environmental Sciences**

MEES607 Quantitative Methods in Environmental Sciences; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH220 and MATH221 or equivalent calculus. Credit will be granted for only one of the following: MEES 607 or MEES 698G. Formerly MEES698G.
Mathematical approaches and solutions (both analytical and numerical) that cut across environmental disciplines, and will introduce analytical techniques. Taught on the Interactive Video Network.

0101	Lawrence Sanford, Lora Harris	Seats (Total: 20)	
	MW 12:30pm - 2:00pm	COL 0105	
	F 9:00am - 10:00am	COL 0105	Discussion

MEES608C **Seminar in Marine-Estuarine-Environmental Sciences; Diseases in Chesapeake Bay**

MEES608C Seminar in Marine-Estuarine-Environmental Sciences: Diseases in Chesapeake Bay; (2 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology and on the Intera ctive Video Network.

0101	Eric Schott	Seats (Total: 12)
	F 2:00pm - 4:00pm	COL 0105

MEES608D **Seminar in Marine-Estuarine-Environmental Sciences; Scientific Writing and Communication**

MEES608D *(PermReq)* **Seminar in Marine-Estuarine-Environmental Sciences: Scientific Writing and Communication; (1 credit)** Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Victor Kennedy	Seats (Total: 15)
	F 10:00am - 12:00pm	COL 0105

MEES608F **Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in Fisheries Science**

MEES608F Seminar in Marine-Estuarine-Environmental Sciences: Current Topics in Fisheries Science; (1 credit) Grade Method: REG/AUD.
Taught at the Chesapeake Biological Laboratory, Solomons, MD.

0101	Thomas Miller	Seats (Total: 10)
	Contact instructor or department for details.	

MEES608N **Seminar in Marine-Estuarine-Environmental Sciences; Development, Ecology, Economics, Ethics**

MEES608N Seminar in Marine-Estuarine-Environmental Sciences: Development, Ecology, Economics, Ethics; (1 credit) Grade Method: REG/AUD.

0101	Matthias Ruth	Seats (Total: 15)
	F 12:00pm - 1:30pm	VMH 1113

MEES608O **Seminar in Marine-Estuarine-Environmental Sciences; Dispersion, degradation, and ecosystem effects of oil in themarine environment**

MEES608O Seminar in Marine-Estuarine-Environmental Sciences: Dispersion, degradation, and ecosystem effects of oil in themarine environment; (1 credit) Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Vid eo Network.

0101	Elizabeth North, Michael Roman, James Pierson	Seats (Total: 20)
	Contact instructor or department for details.	
	This section will be taught at the Horn Point Laboratory in Cambridge, D.	

MEES608P **Seminar in Marine-Estuarine-Environmental Sciences; Environmental Pollution**

MEES608P Seminar in Marine-Estuarine-Environmental Sciences: Environmental Pollution; (1 credit) Grade Method: REG/AUD.
Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Christopher Rowe, Carys Mitchelmore	Seats (Total: 15)
	F 1:00pm - 2:00pm	COL 0105

MEES608R **Seminar in Marine-Estuarine-Environmental Sciences; Statistics in R.**

MEES608R Seminar in Marine-Estuarine-Environmental Sciences: Statistics in R.; (1 credit) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory, Frostburg, MD.

0101	Robert Hilderbrand	Seats (Total: 15)
	Contact instructor or department for details.	

MEES610 **Land Margin Interactions**

MEES610 Land Margin Interactions; (4 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: MEES610 or MEES698I. Formerly MEES698I. Broad overview of the components and biogeochemistry of the coastal zone(atmosphere, land, streams, wetlands, estuaries) and the time and space scales on which interactions occur between components. Includes 4 h of classes per week with readings from the literature, field trips, a term paper, and a forum. Course is taught on the Interactive Video Network. Taught on the Interactive Video Network.

0101	Thomas Fisher, Mark Castro, Walter Boynton TuTh 10:00am - 12:00pm	Seats (Total: 15) COL 0105

MEES614 **Landscape Ecology**

MEES614 Landscape Ecology; (4 credits) Grade Method: REG.
Prerequisite: permission of instructor. Landscape ecology emphasizes spatial patterning--its causes, development, and importance for ecological processes. Students will become familiar with concepts, methods, and applications of landscape ecology through reading classic and contemporary literature representative of state-of-the-art research; class lectures; completion of two projects designed to provide "hands on" experience with some of the quantitative methods and tools; and completion of one independent project. Course taught at athe Appalachian Laboratory and on the Interactive Video Network.

0101	Robert Gardner MW 10:00am - 12:00pm	Seats (Total: 15) COL 0105

MEES621 **Biological Oceanography**

MEES621 Biological Oceanography; (4 credits) Grade Method: REG/AUD.
Population and community ecology of estuarine and marine systems; coastal and estuarine processes are emphasized in the context of oceans in general. Field and lab trips required. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Raleigh Hood TuTh 12:00pm - 2:00pm	Seats (Total: 25) COL 0105

MEES626 **Environmental Geochemistry I**

MEES626 Environmental Geochemistry I; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Recommended: physical chemistry. Credit will be granted for only one of the following: MEES 626 or MEES 698L. Formerly MEES698L. Brief overview of biogeochemical cycles; fundamental aquatic chemistry that can be applied to a variety of environmental systems. Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Johan Schijf MW 8:30am - 10:00am	Seats (Total: 20) COL 0105

MEES682 **Fishery Science and Management**

MEES682 Fishery Science and Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Aquatic production and fisheries yields. Introduction to fish population dynamics and assessment methods. Effects of fishing on resource potential yields. Causes of fluctuations in resource abundance. An emphasis on the relationship between science and management. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	David Secor, Michael Wilberg MW 2:00pm - 3:30pm	Seats (Total: 20) COL 0105

MEES698C **Special Topics in Marine-Estuarine-Environmental Sciences; Cell and Molecular Biology: A Mechanics View**

MEES698C Special Topics in Marine-Estuarine-Environmental Sciences: Cell and Molecular Biology: A Mechanics View; (4 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology, Baltimire and on the interactive video network.

0101	Rosemary Jagus, Allen Place TuTh 8:00am - 10:00am	Seats (Total: 20) COL 0105

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Principles and Practices of Ecosystem Restoration**

MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.
Course is taught at College Park and on the Interactive Video Network.

0101	Sujay Kaushal Tu 3:30pm - 6:30pm	Seats (Total: 20) COL 0105

MEES698G **Special Topics in Marine-Estuarine-Environmental Sciences; Marine Geology**

MEES698G Special Topics in Marine-Estuarine-Environmental Sciences: Marine Geology; (3 credits) Grade Method: REG/AUD.
Taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Cynthia Palinkas	Seats (Total: 15)
	TuTh 2:00pm - 3:30pm	COL 0105

MEES698I **Special Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

MEES698I Special Topics in Marine-Estuarine-Environmental Sciences: Chesapeake Bay Health; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 20)
	MW 3:30pm - 5:00pm	COL 0105

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Fall 2010

MIEH300 **Introduction to Environmental Health**

MIEH300 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Ruth Long	Seats (Total: 35)
	Th 6:00pm - 8:50pm	BLD3 3320
	This section is held at Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed HLTH761. Credit will be granted for only one of the following: HLTH761 or MIEH600. Formerly HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Betty Dabney	Seats (Total: 30)
	M 4:00pm - 6:45pm	SPH 0302

MIEH698A **Special Topics in Maryland Institute for Applied Environmental Health; Critical Analysis of Research**

MIEH698A *(PermReq)* **Special Topics in Maryland Institute for Applied Environmental Health: Critical Analysis of Research; (1 credit)** Grade Method: S-F.

0101	Amy Sapkota	Seats (Total: 15)
	Contact instructor or department for details.	

MIEH740 **Environmental Health Risk Assessment**

MIEH740 Environmental Health Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Review of the major methods of human and ecological risk assessment conducted by the U.S. Environment Protection Agency. Emphasis on sources of uncertainty.

0101	Amir Sapkota	Seats (Total: 20)
	M 4:00pm - 6:45pm	CSS 2416

MIEH773 **Biological Contaminants in the Environment**

MIEH773 Biological Contaminants in the Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. In-depth study of biological contaminants in the environment and their impacts on human health. Sources, dissemination and detection of biological contaminants, and their transmission to humans via food, water, air and other environmental media. Methods of disease prevention, including approaches to ensuring safe food and drinking water supplies.

0101	Amy Sapkota	Seats (Total: 10)
	W 12:00pm - 2:45pm	SPH 0301

MIEH785 **Internship in Public Health**

MIEH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0201	Betty Dabney	Seats (Total: 5)
	Contact instructor or department for details.	

0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

MIEH786 **Captsone Project in Public Health**

MIEH786 *(PermReq)* **Captsone Project in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

MIEH788 *(PermReq)* **Critical Readings in Environmental Health; (1-3 credits)** Grade Method: REG/AUD.

Contact department for information to register for this course.

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)

0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

MIEH799 **Master's Thesis Research**

MIEH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)

MOCB Molecular and Cell Biology Fall 2010

MOCB608 **Molecular and Cell Biology Seminar**

MOCB608 *(PermReq)* **Molecular and Cell Biology Seminar; (1 credit)** Grade Method: REG.

0101	Jonathan Dinman Contact instructor or department for details.	Seats (Total: 12)

MOCB699 **Laboratory Rotation**

MOCB699 *(PermReq)* **Laboratory Rotation; (2-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB708B **Advanced Topics in Molecular and Cell Biology; Bioethics**

MOCB708B Advanced Topics in Molecular and Cell Biology: Bioethics; (1 credit) Grade Method: REG/AUD.

0201	Leslie Pick	Seats (Total: 20)
	Meets October 20, 2010 - December 9, 2010	
	W 10:00am - 12:00pm	PLS 4102

MOCB898 **Pre-Candidacy Research**

MOCB898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

MOCB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Fall 2010

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Open to students majoring in pre-early childhood education, pre-elementary education, elementary education or childhood education. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Charles Fletcher	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	PAC 2168
0201	Karen Koner	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 3160

0301	Carolyn Sweterlitsch	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 3160	

MUED186 **Pre-professional Experiences I**

MUED186 *(PermReq)* **Pre-professional Experiences I; (2 credits)** Grade Method: REG/P-F/AUD.
For MUED majors only. Not open to students who have completed MUED197. Credit will be granted for only one of the following: MUED197 or MUED186. Formerly MUED197. An orientation into the role of the music teacher in the school and community. On-site school visits at elementary, middle and high school levels form the basis for discussion and exploration of all facets of the music education profession. Fulfills the College of Arts and Humanities requirement for UNIV101.

0101	Janet Montgomery	Seats (Total: 30)	
	M 1:00pm - 2:50pm	PAC 2130A	
	W 1:00pm - 1:50pm	PAC 2130A	Lab

MUED213 **String Technique and Pedagogy I**

MUED213 String Technique and Pedagogy I; (2 credits) Grade Method: REG/P-F/AUD.
Open only to majors in music education. For MUED majors only. Not open to students who have completed MUED113. Credit will be granted for only one of the following: MUED113 or MUED213. Formerly MUED113. A study of violin, viola, cello and bass technique and pedagogy; beginning level. Emphasizes group process playing and teaching.

0101	Bruce Carter	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	PAC 2540	

MUED215 **Woodwind Technique and Pedagogy**

MUED215 Woodwind Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly: MUED116 and MUED117. Not open to students who have completed MUED116 and MUED117. Credit will be granted for only one of the following: MUED116, MUED117 or MUED215. Playing experience on instruments of the woodwind family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Edward Walters	Seats (Total: 15)
	MWF 10:00am - 10:50am	PAC 2540

MUED320 **Foundations of Secondary Instrumental Instruction**

MUED320 Foundations of Secondary Instrumental Instruction; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUED311. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to extend secondary-level musical skill through planned instruction and development of teaching materials.

0101	Bruce Carter	Seats (Total: 12)
	TuTh 8:00am - 9:50am	PAC 1230

MUED333 **Classroom Vocal Pedagogy**

MUED333 Classroom Vocal Pedagogy; (2 credits) Grade Method: REG.
Prerequisites: MUED186 and MUED187. For MUED majors only. An introduction to the fundamentals of group vocal pedagogy for the choral and general classroom teacher, including the teaching of posture, breathing, resonance, registration, articulation and foreign language diction as appropriate to needs of the child or adolescent singer in K-12 classroom settings.

0101	Martha Randall	Seats (Total: 10)
	M 4:00pm - 6:00pm	PAC 2130A

MUED420 **Advanced Methods in Secondary Instrumental Music Instruction**

MUED420 *(PermReq)* **Advanced Methods in Secondary Instrumental Music Instruction; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MUED311 and MUED320. Corequisite: MUED489. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary, curricular-oriented, research-based, comprehensive secondary instrumental program.

0101	Michael Hewitt Tu 9:00am - 12:00pm	Seats (Total: 20) PAC 2540

MUED471 **Elementary General Music Methods**

MUED471 *(PermReq)* **Elementary General Music Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisites: MUED222 and MUED333. Corequisite: MUED489. For MUED majors only. A study of music curriculum, materials and teaching techniques for the development of sequential experiences which contribute to children's musical growth in the elementary schools.

0101	Janet Montgomery Tu 9:00am - 12:00pm	Seats (Total: 15) PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 Field Experiences: Pre-Student Teaching; (1 credit) Grade Method: REG.
Prerequisite: MUED411 and MUED420; or MUED471 and MUED472; and permission of department. Senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Wendy Matthews, Michael Hewitt, Janet Montgomery, Bruce Carter Tu 7:00pm - 8:00pm	Seats (Total: 15) Location: TBA

MUED484 **Student Teaching in Elementary School: Music**

MUED484 Student Teaching in Elementary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisites: Admission to teacher education program and permission of department. Corequisite: MUED494. For MUED majors only. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Wendy Matthews, Michael Hewitt, Bruce Carter, Janet Montgomery Tu 4:30pm - 6:30pm	Seats (Total: 15) PAC 2160	Lab

MUED489G **Field Experiences; Field Experiences-General**

MUED489G *(PermReq)* **Field Experiences: Field Experiences-General; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Janet Montgomery Th 9:00am - 12:00pm	Seats (Total: 10) PAC 2130A

MUED489I **Field Experiences; Field Experiences-Instrumental**

MUED489I *(PermReq)* **Field Experiences: Field Experiences-Instrumental; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Michael Hewitt Th 9:00am - 12:00pm	Seats (Total: 20) PAC 2540	Lab

MUED494 **Student Teaching in Secondary School: Music**

MUED494 Student Teaching in Secondary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisite: admission to teacher education program and permission of department. Corequisite: MUED484. For MUED majors only. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Wendy Matthews, Michael Hewitt, Janet Montgomery, Bruce Carter TBA	Seats (Total: 15) PAC 2160	Lab

MUED690 **Research Methods in Music and Music Education**

MUED690 Research Methods in Music and Music Education; (3 credits) Grade Method: REG/AUD.
The application of methods of research to problems in the fields of music and music education. The preparation of bibliographies and the written exposition of research projects in the area of the student's major interest.

0101	Wendy Matthews Tu 6:00pm - 8:30pm	Seats (Total: 15) PAC 2130A	

MUET Ethnomusicology Fall 2010

MUET200 **World Popular Musics and Identity**

MUET200 World Popular Musics and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Perspectives of world popular music as contested terrain, in terms of gender, nationality and aesthetics. Students will read case histories of specific movements, social commentaries on genres such as reggae, celtic-pop and rap, and investigate issues such as accessibility and technological constraints. The unifying factors are cross-cultural perceptions and displays of national identity, cultural retentions, stability and change. Formerly: MUSC 248C.

0101	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0102	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0103	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0104	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	 Discussion

0105	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0106	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0107	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0108	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0109	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0110	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0111	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0112	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

MUET210 **The Impact of Music on Life**

MUET210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0102	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0103	Fernando Rios MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0104	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0105	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0106	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0107	Fernando Rios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0108	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0109	Fernando Rios MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion

MUET220 Selected Musical Cultures of the World

MUET220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East. Formerly: MUSC 248A.

0101	John Witzleben MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0102	John Witzleben MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0103	John Witzleben MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0104	John Witzleben MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0105	John Witzleben MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0106	John Witzleben MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
FC01	SunMin Yoon MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) PAC 1815	

MUET438C **Area Studies in Ethnomusicology; Area Studies in Ethnomusicology: China and Indonesia**

MUET438C Area Studies in Ethnomusicology: Area Studies in Ethnomusicology: China and Indonesia; (3 credits) Grade Method: REG.

0101	John Witzleben Tu 6:30pm - 9:00pm	Seats (Total: 12) PAC 2115	

MUET650 **The Anthropology of Music**

MUET650 The Anthropology of Music; (3 credits) Grade Method: REG. *Prerequisite: MUET 420 or equivalent; or permission of instructor.* An exploration of theories and methods in anthropology that have influenced the cross-cultural study of music, dance, theater and ritual performance.

0101	Fernando Rios M 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET660 **Field Methods in Ethnomusicology I**

MUET660 Field Methods in Ethnomusicology I; (3 credits) Grade Method: REG. Introduction to a wide variety of methods and strategies for surveying, interviewing, and observing the dynamics of performance in contrasting settings. This is the first of three semesters of field methods.

0101	Fernando Rios W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET679G **Seminar in Ethnomusicology; Historical Ethnomusicology**

MUET679G Seminar in Ethnomusicology: Historical Ethnomusicology; (3 credits) Grade Method: REG.

0101	Robert Provine Tu 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC School of Music Fall 2010

MUSC099 **Performance Attendance**

MUSC099 Performance Attendance; (No credit) Grade Method: S-F.

0101	Frank Latino Contact instructor or department for details.	Seats (Total: 150)

MUSC100 **Beginning Class Voice**

MUSC100 Beginning Class Voice; (2 credits) Grade Method: REG.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

0101	Karla Scott MW 10:00am - 10:50am	Seats (Total: 15) PAC 2170
0102	Karla Scott MW 1:00pm - 1:50pm	Seats (Total: 15) PAC 2170

MUSC102 **Class Piano**

MUSC102 *(PermReq)* **Class Piano; (2 credits)** Grade Method: REG/P-F.
Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear. For MUSC majors only.

0101	Anthony Sist TuTh 2:00pm - 3:15pm	Seats (Total: 10) PAC 1123
0201	Christiana Iheadindu MWF 11:00am - 11:50am	Seats (Total: 10) PAC 1123
0301	Anthony Sist MWF 1:00pm - 1:50pm	Seats (Total: 10) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required. For students with no previous musical experience.

0101	Giorgia Cavallaro MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC123 **Movement for Singers**

MUSC123 Movement for Singers; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Systematic exercises, improvisations and dances in conjunction with artistic vocal expression. Performance and critique of stage deportment, gestures and recital techniques.

0101	Carmen Balthrop	Seats (Total: 15)
	Tu 5:00pm - 6:30pm	TWS 1121

MUSC127 **Vocal Diction: Italian**

MUSC127 Vocal Diction: Italian and Spanish; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For MUSC majors only. Augmentation of private voice study. Phonetics and diction for singers of Italian and Spanish vocal literature.

0101	Rebecca Echols	Seats (Total: 15)
	TuTh 11:00am - 11:50am	PAC 3164

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG.
For Bachelor of Music piano majors only.

0101	Michael Angelucci	Seats (Total: 5)
	MW 10:00am - 10:50am	PAC 2201

MUSC129A **Ensemble; Chamber Music - Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Music - Strings; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Music - Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Music - Brasses; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab
	MTuWThF 8:00am - 8:50am	PAC 2201	Lab

MUSC129D **Ensemble; African Drumming**

MUSC129D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Mahiri Edwards	Seats (Total: 12)	
	W 5:00pm - 6:30pm	PAC 2201	Lab

MUSC129E **Ensemble; Advanced African Drumming**

MUSC129E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequiste: MUSC129D.

0101	Mahiri Edwards	Seats (Total: 12)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.

0101	Rebecca Smith	Seats (Total: 6)	
	TuTh 11:00am - 12:15pm	PAC 1130A	

MUSC129I **Ensemble; New Music**

MUSC129I *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG.
By Permission of Instructor.

0101	Dora Hanninen	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Chamber Music - Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Chamber Music - Flute Choir; (1 credit)** Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	Contact instructor or department for details.		

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sebastian Wang	Seats (Total: 17)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

0101	Edward Walters	Seats (Total: 15)	
	W 6:30pm - 8:30pm	PAC 2126	Lab

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Connie Frigo	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Matthew Guilford Contact instructor or department for details.	Seats (Total: 10)	

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

0101	Paul Kellner Contact instructor or department for details.	Seats (Total: 10)	

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Jarl Hulbert MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 18) CSS 2324 PAC 2164	Discussion
0102	Jarl Hulbert MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 30) CSS 2324 PAC 2164	Discussion
0103	Jarl Hulbert MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 30) CSS 2324 PAC 2164	Discussion
0201	Jarl Hulbert MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) CSS 2324 PAC 1815	Discussion
0202	Jarl Hulbert MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) CSS 2324 PAC 1815	Discussion

0301	Jarl Hulbert MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) CSS 2324 PAC 3168	Discussion
0302	Jarl Hulbert MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) CSS 2324 PAC 3168	Discussion
0303	Jarl Hulbert MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) CSS 2324 PAC 3168	Discussion

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. For general honors students only.

0203	Jarl Hulbert MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) CSS 2324 PAC 3168	Discussion

MUSC130S **Survey of Music Literature**

MUSC130S Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. Restricted to College Park Scholars - Arts.

0101	Jarl Hulbert MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 12) CSS 2324 PAC 2164	Discussion

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Limited to non-music majors. Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Mark Nowakowski MWF 11:00am - 11:50am	Seats (Total: 20) PAC 2168	
0201	Mark Nowakowski MWF 12:00pm - 12:50pm	Seats (Total: 20) PAC 2168	
FC01	Patricia Burt MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) PAC 3160	

MUSC150 **Theory of Music I**

MUSC150 *(PermReq)* **Theory of Music I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: departmental audition and entrance examination. For MUSC majors only.* A study of basic concepts and skills in tonal melody and harmony through analysis and composition.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 8:00am - 8:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 3160	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab
0301	Patricia Burt MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0302	Patricia Burt MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab

MUSC202 **Intermediate Class Piano I**

MUSC202 *(PermReq)* **Intermediate Class Piano I; (2 credits)** Grade Method: REG. *Prerequisite: MUSC103 or equivalent piano training.* Advanced keyboard techniques. Continuation of skills introduced in MUSC103. Transposition, modulation and sight reading; methods of teaching functional piano. Only for voice and instrumental principals with limited piano experience.

0101	Michael Angelucci MWF 9:00am - 9:50am	Seats (Total: 15) PAC 1123	

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Richard King MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0102	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0103	Richard King MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0104	Richard King MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3160	 Discussion
0105	Richard King MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	 Discussion

0106	Richard King MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0107	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0108	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Richard King MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion

MUSC227 **Vocal Diction: German**

MUSC227 Vocal Diction: German; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. For MUSC majors only.* Augmentation of private study. Phonetics and diction for singers of German vocal literature.

0101	Carolyn Black-Sotir TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3168

MUSC228 **Introduction to Accompanying for Pianists; Accompanying for Pianists**

MUSC228 *(PermReq)* **Introduction to Accompanying for Pianists: Accompanying for Pianists; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Robert McReynolds Tu 4:30pm - 6:30pm	Seats (Total: 5) PAC 2126

MUSC229A **Ensemble; Orchestra**

MUSC229A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

MUSC229E Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Lowell Sparks	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229F **Ensemble; Marching Band**

MUSC229F Ensemble: Marching Band; (1 credit) Grade Method: REG.
Open by audition.

0101	Lowell Sparks	Seats (Total: 300)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

MUSC229G Ensemble: Marching Band Repertoire; (1 credit) Grade Method: REG.
Corequisite: MUSC 229F.

0101	Lowell Sparks	Seats (Total: 300)	
	Tu 7:00pm - 9:00pm	PAC 2540	Lab

MUSC229I **Ensemble; Marching Band Auxiliary**

MUSC229I Ensemble: Marching Band Auxiliary; (1 credit) Grade Method: REG.
Corequisite: MUSC 229F.

0101	Lowell Sparks TuTh 6:30pm - 8:30pm	Seats (Total: 50) PAC 2540	 Lab

MUSC229J **Ensemble; Jazz Ensemble**

MUSC229J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:20pm	Seats (Total: 30) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 30) PAC 1230	 Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P *(PermReq)* **Ensemble: Pep Band; (1 credit)** Grade Method: REG.
Permission of Instructor.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 60)

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross MW 3:00pm - 5:00pm	Seats (Total: 50) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 100)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 10)	
	Contact instructor or department for details.		
0201	Thomas Baldwin	Seats (Total: 10)	
	Contact instructor or department for details.		
0301	Timothy Powell	Seats (Total: 10)	
	Contact instructor or department for details.		
0401	Brent Madsen	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC230 **History of Music I**

MUSC230 *(PermReq)* **History of Music I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or equivalent; and permission of department.* A historical study of western music from Corelli through Beethoven.

0101	Patrick Warfield	Seats (Total: 25)	
	MWF 2:00pm - 2:50pm	PAC 3164	

MUSC250 **Advanced Theory of Music I**

MUSC250 *(PermReq)* **Advanced Theory of Music I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC151 with a minimum grade of C. A continuation of MUSC 151, with further study of chromatic and modulatory techniques of the nineteenth century. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Dora Hanninen	Seats (Total: 8)	
	TuThF 9:00am - 9:50am	PAC 3164	
	MW 9:00am - 9:50am	PAC 3164	Lab

0102	Dora Hanninen TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 3160	 Lab
0201	Mark Wilson TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 3164	 Lab
0202	Mark Wilson TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 2160	 Lab
0301	Dora Hanninen TuThF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 2164	 Lab
0302	Dora Hanninen TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3164 PAC 2164	 Lab

MUSC289H **Exploring the Power of Musical Performance in Social Engagement**

MUSC289H Exploring the Power of Musical Performance in Social Engagement; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination http://www.iseries.umd.edu/ Click here for more course information.

0101	Boden Sandstrom MW 10:30am - 11:45am	Seats (Total: 20) PAC 2200

MUSC289I **Exploring the Power of Musical Performance in Social Engagement**

MUSC289I Exploring the Power of Musical Performance in Social Engagement; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Boden Sandstrom	Seats (Total: 40)	
	MW 10:30am - 11:45am	PAC 2200	

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Edward Maclary	Seats (Total: 75)	
	TuTh 3:00pm - 4:30pm	PAC 2201	Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Edward Maclary	Seats (Total: 50)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.
Monthly evening rehearsals will be scheduled as announced.

0101	Stephen Holmes, Edward Maclary	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC329O **Ensemble; Ensemble: Opera Chorus**

MUSC329O *(PermReq)* **Ensemble: Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 25)	
	F 4:00pm - 6:00pm	PAC 2170	

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG. Monthly evening rehearsals will be scheduled as announced.

0101	Edward Maclary, Scot Hanna-Weir	Seats (Total: 60)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC330 **History of Music II**

MUSC330 *(PermReq)* **History of Music II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or equivalent; and permission of department.* A historical study of western music from the Romantic era to the present.

0101	Olga Haldey	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	PAC 3160

MUSC331 **History of Music III**

MUSC331 History of Music III; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC230, MUSC330, and permission of department.* A historical study of western music from Antiquity through the Baroque, ending with a review of all periods of music history.

0101	Richard Wexler	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	PAC 2168

MUSC345 **Jazz Theory and Improvisation I**

MUSC345 *(PermReq)* **Jazz Theory and Improvisation I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC251 or permission of department. Jazz theory, notational conventions, improvisation techniques, reading and analysis of music, and performance in small combo format.

0101	Brent Madsen	Seats (Total: 8)	
	M 7:15pm - 9:50pm	PAC 1208	

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Patrick Diamond	Seats (Total: 15)	
	MW 4:00pm - 6:00pm	PAC 2170	Lab

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 Music Internship; (3 credits) Grade Method: REG/P-F/AUD.

0101	Suzanne Beicken	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Edward Maclary	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC389 **Music Internship Analysis**

MUSC389 Music Internship Analysis; (1 credit) Grade Method: REG/P-F/AUD.

0101	Suzanne Beicken	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC400S **Music Pedagogy**

MUSC400S Music Pedagogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSP315; and permission of department.

0101	Gerald Fischbach	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PAC 2170

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 *(PermReq)* **Repertoire Coaching of Vocal or Chamber Music; (2 credits)** Grade Method: REG.

0101	Rita Sloan	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC435 **Music of North America**

MUSC435 Music of North America; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. A survey of North American music from Colonial times to present.

0101	Patrick Warfield	Seats (Total: 15)
	MW 3:00pm - 4:15pm	PAC 3164

MUSC443 **Solo Vocal Literature**

MUSC443 *(PermReq)* **Solo Vocal Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC330, MUSC331 or equivalent. The study of solo vocal literature from the Baroque Cantata to the Art Song of the present. The Lied, Melodie, vocal chamber music and the orchestral song are examined.

0101	Diba Alvi	Seats (Total: 10)
	TuTh 9:00am - 10:15am	PAC 2170

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Corequisite: MUSP419 or MUSP420. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316 and permission of department. Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC448B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/P-F/AUD.
Also offered as MUSC699B.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.
This course is for graduate vocal majors only.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448Y **Selected Topics in Music; Franz Liszt**

MUSC448Y Selected Topics in Music: Franz Liszt; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shelley Davis	Seats (Total: 5)
	Th 7:00pm - 9:30pm	PAC 3110A

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2164

MUSC455 **Theory of Jazz**

MUSC455 Theory of Jazz; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or permission of department. For MUSC majors only.* An aural-theoretical examination of melodic and harmonic function in jazz with emphasis on bebop. "Layered" harmonic analysis combined with melodic analysis of solo transcriptions applied to the creation of small group arrangements of "standard" tunes.

0101	Leigh Pilzer	Seats (Total: 12)
	MW 3:00pm - 4:15pm	PAC 2168

MUSC460 **Tonal Counterpoint I**

MUSC460 *(PermReq)* **Tonal Counterpoint I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251 or permission of department. A course in Eighteenth-Century contrapuntal techniques, analysis and original composition of two-voice dances, preludes, and inventions. Includes an introduction to the study of fugue and canon.

0101	James Fry	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 2160

MUSC467 **Piano Pedagogy I**

MUSC467 Piano Pedagogy I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Cleveland Page	Seats (Total: 15)
	MW 11:00am - 12:15pm	PAC 2170

MUSC471 **Contemporary Compositional Techniques**

MUSC471 *(PermReq)* **Contemporary Compositional Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC470 and permission of department. Continuation of MUSC470, with emphasis on the analysis of individual works written since 1945.

0101	Thomas DeLio	Seats (Total: 15)
	W 2:00pm - 4:30pm	PAC 2164

MUSC483 **Music in the Classic Era**

MUSC483 Music in the Classic Era; (3 credits) Grade Method: REG/P-F/AUD.
Survey of western music from 1750 to 1820.

0101	Shelley Davis	Seats (Total: 15)
	M 7:00pm - 9:35pm	PAC 3110A

MUSC484 **Music in the Romantic Era**

MUSC484 Music in the Romantic Era; (3 credits) Grade Method: REG/P-F/AUD. Survey of western music from 1820 to 1900.

0101	Olga Haldey M 4:00pm - 6:30pm	Seats (Total: 25) PAC 2160

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG. *Prerequisite: MUSC251.* Vocal and instrumental baton techniques.

0201	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 11) PAC 2201
0301	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 11) PAC 2201

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC550 **Theory of Music Graduate Review**

MUSC550 Theory of Music Graduate Review; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department; Course is non-applicable toward a graduate degree. Music theory review for graduate students:aural training, counterpoint, basic diatonic harmony, chromatic harmony, and analysis of complete works.

0101	James Fry TuTh 9:00am - 10:15am	Seats (Total: 20) PAC 2164

MUSC601 **Advanced English Lyric Diction**

MUSC601 Advanced English Lyric Diction; (1 credit) Grade Method: REG/AUD. *Prerequisite: admission to graduate voice program or permission of instructor. For music majors only.* Concepts, strategies and techniques for singing operatic, oratorio and song literature in English: stress patterns, linkage, stressed and non stressed vowels, dipthongs, placement of consonants and vowels, and communication of text with emphasis on current performance practices. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Linda Mabbs	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2170

MUSC604 **Advanced French Lyric Diction**

MUSC604 Advanced French Lyric Diction; (1 credit) Grade Method: REG/AUD. *Prerequisite: admission to graduate voice program or permission of instructor. For music majors only.* Concepts, strategies and techniques for singing operatic and song literature in French: phoneticization, formation and singing of the vowel-sounds, semi-consonants, and consonants; the liaison; legato singing in French; the hiatus, mute and aspirate 'h'; stress and word rhythm. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Francois Loup	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC605 **Opera Repertory I**

MUSC605 *(PermReq)* **Opera Repertory I; (1 credit)** Grade Method: REG/AUD. *Prerequisite: MUSC 602 or permission of instructor. For MUSC majors only.* Advanced vocal coaching of selections from the Italian, French, German, and English opera repertory: musical accuracy; language facility; diction clarity; and dramatic interpretation.

0101	Dominic Cossa	Seats (Total: 10)
	Th 10:30am - 12:00pm	PAC 2170

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC611 **Opera Techniques I**

MUSC611 Opera Techniques I; (2 credits) Grade Method: REG/AUD. *Prerequisite: permission of director of opera. Corequisite: MUSC 601. For MUSC majors only.* Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles and techniques to operatic repertoire.

0101	Leon Major	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC613 **Opera Techniques III**

MUSC613 *(PermReq)* **Opera Techniques III; (2 credits)** Grade Method: REG/AUD. *Prerequisites: MUSC 612 with a grade of B or better and permission of Director of Opera. Corequisites: MUSC 603 and MUSC 605. For MUSC majors only.* Continuation of MUSC 612. Techniques for opera performance: Scene Study III; Movement III; and Shakespeare.

0101	Leon Major	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Orchestra**

MUSC629A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B *(PermReq)* **Ensemble: University of Maryland Brass Ensemble; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

MUSC629C Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	

MUSC629D **Ensemble; African Drumming**

MUSC629D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Mahiri Edwards	Seats (Total: 4)	
	W 5:00pm - 6:30pm	PAC 2201	Lab

MUSC629E **Ensemble; Advanced African Drumming**

MUSC629E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: MUSC629D.

0101	Mahiri Edwards	Seats (Total: 4)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC629F **Ensemble; Ensemble: Marching Band**

MUSC629F Ensemble: Ensemble: Marching Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 175)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629I **Ensemble; New Music Ensemble**

MUSC629I *(PermReq)* **Ensemble: New Music Ensemble; (1 credit)** Grade Method: REG.
By permission of instructor.

0101	Dora Hanninen	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala	Seats (Total: 20)	
	MW 5:30pm - 7:15pm	PAC 1230	Lab
0201	Christopher Vadala	Seats (Total: 10)	
	MW 1:00pm - 2:20pm	PAC 1230	Lab
0301	Christopher Vadala	Seats (Total: 10)	
	M 7:30pm - 9:30pm	PAC 1230	Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 2)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC629M **Ensemble; Chamber Music - Flute Choir**

MUSC629M Ensemble: Chamber Music - Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	Contact instructor or department for details.		

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 5)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone**

MUSC629S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Connie Frigo	Seats (Total: 5)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone**

MUSC629T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Matthew Guilford	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Thomas Baldwin	Seats (Total: 10)
	Contact instructor or department for details.	

0301	Timothy Powell Contact instructor or department for details.	Seats (Total: 10)
0401	Brent Madsen Contact instructor or department for details.	Seats (Total: 10)

MUSC639B **Seminar in Music; Beethoven**

MUSC639B Seminar in Music: Beethoven; (3 credits) Grade Method: REG/AUD.

0101	Richard Wexler Tu 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A

MUSC639L **Seminar in Music; Franz Liszt**

MUSC639L Seminar in Music: Franz Liszt; (3 credits) Grade Method: REG/AUD.

0101	Shelley Davis Th 7:00pm - 9:30pm	Seats (Total: 10) PAC 3110A

MUSC643 **Seminar in Solo Vocal Literature I**

MUSC643 Seminar in Solo Vocal Literature I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 444 or equivalent. An intensive study of solo vocal literature from its origin to the present.

0101	Delores Ziegler, Rita Sloan W 3:00pm - 5:30pm	Seats (Total: 20) PAC 2200

MUSC648 **Seminar in Music Research**

MUSC648 *(PermReq)* **Seminar in Music Research; (3 credits)** Grade Method: REG/AUD.

0101	Mary Macklem Tu 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C
0201	Mary Macklem M 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C

0301	Barbara Haggh-Huglo TuTh 11:00am - 12:15pm	Seats (Total: 15) PAC 2515C	
0401	Janice Holly Th 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C	

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary TuTh 3:00pm - 4:30pm	Seats (Total: 10) PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary TuTh 4:30pm - 6:00pm	Seats (Total: 10) PAC 2201	Lab

MUSC649E **Ensemble; Ensemble: Gospel Choir**

MUSC649E Ensemble: Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell Th 7:00pm - 10:00pm	Seats (Total: 10) PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes MWF 12:00pm - 12:50pm	Seats (Total: 10) PAC 1230	Lab

MUSC649O **Ensemble; Opera Chorus**

MUSC649O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 10)	
	F 4:00pm - 6:00pm	PAC 2170	

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Scot Hanna-Weir	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC651 **The Theories of Heinrich Schenker**

MUSC651 *(PermReq)* **The Theories of Heinrich Schenker; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 450 or permission of department. The analytical methods of Heinrich Schenker with application of those theories to musical literature from the Baroque, Classical and Romantic periods.

0101	Thomas DeLio	Seats (Total: 10)
	W 11:00am - 1:35pm	PAC 2164

MUSC659 **Seminar in Choral Repertoire and Pedagogy**

MUSC659 *(PermReq)* **Seminar in Choral Repertoire and Pedagogy; (2-3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary	Seats (Total: 6)
	MW 10:00am - 10:50am	PAC 3160

MUSC660 **String Pedagogy**

MUSC660 String Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: MuSC400S or MUSC600. A study of major string pedagogical treatises, and an evaluation of string pedagogical techniques, materials, and procedures.

0101	Gerald Fischbach TuTh 2:00pm - 3:15pm	Seats (Total: 35) PAC 2170

MUSC670 **Advanced Analytical Techniques I**

MUSC670 *(PermReq)* **Advanced Analytical Techniques I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 451 or permission of department. Analysis of representative masterpieces of the eighteenth and early nineteenth centuries.

0101	Lawrence Moss W 5:30pm - 8:00pm	Seats (Total: 15) PAC 2160

MUSC675 **Music Theory Pedagogy**

MUSC675 *(PermReq)* **Music Theory Pedagogy; (3 credits)** Grade Method: REG/AUD.
Analysis of introductory level music theory courses, evaluation of text materials, and teaching approaches for music fundamentals, aural training, and basic undergraduate theory programs.

0101	Daniel Zimmerman TuTh 11:00am - 12:15pm	Seats (Total: 15) PAC 3160

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary Th 12:00pm - 2:30pm	Seats (Total: 5) PAC 3164
0201	James Ross M 3:00pm - 5:00pm F 3:00pm - 5:00pm	Seats (Total: 5) PAC 3168 PAC 1230
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 5) PAC 3168

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC699B Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit) Grade Method: REG/AUD.
Also offered as MUSC448B.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC699J **Selected Topics in Music; Theory of Jazz**

MUSC699J *(PermReq)* **Selected Topics in Music: Theory of Jazz; (3 credits)** Grade Method: REG/AUD.
This course is for MM Jazz majors only.

0101	Leigh Pilzer	Seats (Total: 4)
	MW 3:00pm - 4:15pm	PAC 2168

MUSC699R **Selected Topics in Music; Music of the Renaissance: Josquin des Prez**

MUSC699R Selected Topics in Music: Music of the Renaissance: Josquin des Prez; (3 credits) Grade Method: REG/AUD.

0101	Barbara Haggh-Huglo	Seats (Total: 12)
	TuTh 9:30am - 11:00am	PAC 3110A

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699Z **Selected Topics in Music; Jazz Theory and Improvisation I**

MUSC699Z *(PermReq)* **Selected Topics in Music: Jazz Theory and Improvisation I; (3 credits)** Grade Method: REG/AUD.

0101	Brent Madsen	Seats (Total: 8)
	M 7:15pm - 9:50pm	PAC 1208

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800S **Advanced Seminar in Music Pedagogy**

MUSC800S Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Gerald Fischbach	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PAC 2170

MUSC800W **Advanced Seminar in Music Pedagogy**

MUSC800W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

Contact department for information to register for this course.

MUSC811 **Doctoral Opera Techniques**
Contact department for information to register for this course.

MUSC830A **Doctoral Seminar in Music Literature**

MUSC830A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least twelve hours in music history and literature.

0101	Rita Sloan, Delores Ziegler	Seats (Total: 20)
	W 3:00pm - 5:30pm	PAC 2200

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG.
Prerequisite: at least twelve hours in music history and literature. For conducting majors.

0201	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC830P **Doctoral Seminar in Music Literature**

MUSC830P Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least twelve hours in music history and literature.

0101	Bradford Gowen	Seats (Total: 15)
	W 12:00pm - 2:30pm	PAC 3168

MUSC830V **Doctoral Seminar in Music Literature**

MUSC830V Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: at least twelve hours in music history and literature.

0101	Rita Sloan, Delores Ziegler	Seats (Total: 20)
	W 3:00pm - 5:30pm	PAC 2200

MUSC830W **Doctoral Seminar in Music Literature**

MUSC830W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: at least twelve hours in music history and literature.

Contact department for information to register for this course.

MUSC831W **Doctoral Seminar in Music Literature**

MUSC831W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC 830 or permission of instructor.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSP Music Performance Fall 2010

MUSP102A **Music Performance; Piano**
Contact department for information to register for this course.

MUSP102B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP102D **Music Performance; Viola**
Contact department for information to register for this course.

MUSP102E **Music Performance; Cello**

	Contact department for information to register for this course.
MUSP102F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP102G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP102H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP102I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP102J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP102K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP102L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP102M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP102N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP102O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP102P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP102Q	**Music Performance; Percussion** **Contact department for information to register for this course.**

MUSP102S **Music Performance; Guitar**
Contact department for information to register for this course.

MUSP102T **Music Performance; Composition**

MUSP102T Music Performance: Composition; (2 credits) Grade Method: REG/AUD.

0101	Lawrence Moss	Seats (Total: 1)
	Contact instructor or department for details.	

MUSP103A **Music Performance; Piano**
Contact department for information to register for this course.

MUSP103B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP103C **Music Performance; Violin**
Contact department for information to register for this course.

MUSP103D **Music Performance; Viola**
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MUSP103E **Music Performance; Cello**
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MUSP103F **Music Performance; Bass**
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MUSP103G **Music Performance; Flute**
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MUSP103H **Music Performance; Oboe**
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MUSP103I **Music Performance; Clarinet**
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MUSP103J **Music Performance; Bassoon**
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MUSP103K **Music Performance; Saxophone**
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MUSP103L **Music Performance; Horn**
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MUSP103N **Music Performance; Trombone**
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MUSP103P **Music Performance; Euphonium**
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MUSP103Q **Music Performance; Percussion**
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MUSP103S **Music Performance; Guitar**
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MUSP109A **Music Performance; Piano**
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MUSP109B **Music Performance; Voice**
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MUSP109C **Music Performance; Violin**
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MUSP109D **Music Performance; Viola**
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MUSP109E	**Music Performance; Cello** **Contact department for information to register for this course.**
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MUSP109S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP109V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP110A	**Music Performance; Piano** **Contact department for information to register for this course.**
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MUSP119V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP119W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
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MUSP203S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP203V	**Music Performance** **Contact department for information to register for this course.**
MUSP207A	**Music Performance; Piano** **Contact department for information to register for this course.**

MUSP207B **Music Performance; Voice**
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MUSP305F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP305G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP305H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP305I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP305J	**Music Performance; Bassoon** **Contact department for information to register for this course.**

MUSP305K **Music Performance; Saxophone**
Contact department for information to register for this course.

MUSP305L **Music Performance; Horn**
Contact department for information to register for this course.

MUSP305M **Music Performance; Trumpet**
Contact department for information to register for this course.

MUSP305N **Music Performance; Trombone**
Contact department for information to register for this course.

MUSP305O **Music Performance; Tuba**
Contact department for information to register for this course.

MUSP305P **Music Performance; Euphonium**
Contact department for information to register for this course.

MUSP305Q **Music Performance; Percussion**
Contact department for information to register for this course.

MUSP305S **Music Performance; Guitar**
Contact department for information to register for this course.

MUSP305V **Music Performance; Harp**
Contact department for information to register for this course.

MUSP306A **Music Performance; Piano**
Contact department for information to register for this course.

MUSP306B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP306C **Music Performance; Violin**
Contact department for information to register for this course.

MUSP306D **Music Performance; Viola**
Contact department for information to register for this course.

MUSP306E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP306F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP306G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP306H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP306I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP306J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP306K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP306L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP306M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP306N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP306O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP306P	**Music Performance; Euphonium** **Contact department for information to register for this course.**

MUSP306Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP306S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP306V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP315A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP315B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP315C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP315D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP315E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP315F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP315G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP315H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP315I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP315J	**Music Performance; Bassoon** **Contact department for information to register for this course.**

MUSP315K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP315L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP315M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP315N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP315O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP315P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP315Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP315T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP315V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP315W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP316A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP316B	**Music Performance; Voice** **Contact department for information to register for this course.**

MUSP316C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP316D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP316E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP316F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP316G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP316H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP316I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP316J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP316K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP316L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP316M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP316N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP316O	**Music Performance; Tuba** **Contact department for information to register for this course.**

MUSP316P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP316Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP316T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP316V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP316W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP402A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP402B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP402C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP402D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP402E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP402F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP402G	**Music Performance; Flute** **Contact department for information to register for this course.**

MUSP402H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP402I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP402J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP402K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP402L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP402M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP402N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP402O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP402P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP402Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP402S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP403A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP403B	**Music Performance; Voice** **Contact department for information to register for this course.**

MUSP403C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP403D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP403E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP403F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP403G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP403H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP403I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP403J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP403K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP403L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP403M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP403N	**Music Performance; Trombone** **Contact department for information to register for this course.**

MUSP403O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP403P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP403Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP403S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP409A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP409B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP409C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP409D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP409E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP409F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP409G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP409H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP409I	**Music Performance; Clarinet** **Contact department for information to register for this course.**

MUSP409J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP409K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP409L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP409M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP409N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP409O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP409P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP409Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP409S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP409V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP410A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP410B	**Music Performance; Voice** **Contact department for information to register for this course.**

MUSP410C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP410D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP410E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP410F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP410G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP410H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP410I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP410J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP410K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP410L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP410M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP410N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP410O	**Music Performance; Tuba** **Contact department for information to register for this course.**

MUSP410P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP410Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP410S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP410V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP419A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP419B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP419C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP419D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP419E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP419F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP419G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP419H	**Music Performance; Oboe** **Contact department for information to register for this course.**

MUSP419I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP419J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP419K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP419L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP419M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP419N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP419O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP419P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP419Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP419T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP419V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP419W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP420A	**Music Performance; Piano** **Contact department for information to register for this course.**

MUSP420B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP420C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP420D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP420E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP420F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP420G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP420H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP420I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP420J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP420K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP420L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP420M	**Music Performance; Trumpet** **Contact department for information to register for this course.**

MUSP420N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP420O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP420P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP420Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP420T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP420V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP420W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP609A	**Interpretation and Repertoire; Piano** **Contact department for information to register for this course.**
MUSP609B	**Interpretation and Repertoire; Voice** **Contact department for information to register for this course.**
MUSP609C	**Interpretation and Repertoire; Violin** **Contact department for information to register for this course.**
MUSP609D	**Interpretation and Repertoire; Viola** **Contact department for information to register for this course.**
MUSP609E	**Interpretation and Repertoire; Cello** **Contact department for information to register for this course.**
MUSP609F	**Interpretation and Repertoire; Bass** **Contact department for information to register for this course.**

MUSP609G	**Interpretation and Repertoire; Flute** **Contact department for information to register for this course.**
MUSP609H	**Interpretation and Repertoire; Oboe** **Contact department for information to register for this course.**
MUSP609I	**Interpretation and Repertoire; Clarinet** **Contact department for information to register for this course.**
MUSP609J	**Interpretation and Repertoire; Bassoon** **Contact department for information to register for this course.**
MUSP609K	**Interpretation and Repertoire; Saxophone** **Contact department for information to register for this course.**
MUSP609L	**Interpretation and Repertoire; Horn** **Contact department for information to register for this course.**
MUSP609M	**Interpretation and Repertoire; Trumpet** **Contact department for information to register for this course.**
MUSP609N	**Interpretation and Repertoire; Trombone** **Contact department for information to register for this course.**
MUSP609O	**Interpretation and Repertoire; Tuba** **Contact department for information to register for this course.**
MUSP609P	**Interpretation and Repertoire; Euphonium** **Contact department for information to register for this course.**
MUSP609Q	**Interpretation and Repertoire; Percussion** **Contact department for information to register for this course.**
MUSP609S	**Interpretation and Repertoire; World Instruments** **Contact department for information to register for this course.**

MUSP609T	**Interpretation and Repertoire; Composition** **Contact department for information to register for this course.**
MUSP609U	**Interpretation and Repertoire; Conducting** **Contact department for information to register for this course.**
MUSP609V	**Interpretation and Repertoire; Harp** **Contact department for information to register for this course.**
MUSP609X	**Interpretation and Repertoire; Historical Instruments - Keyboard** **Contact department for information to register for this course.**
MUSP610A	**Graduate Music Performance; Piano** **Contact department for information to register for this course.**
MUSP610B	**Graduate Music Performance; Voice** **Contact department for information to register for this course.**
MUSP610C	**Graduate Music Performance; Violin** **Contact department for information to register for this course.**
MUSP610D	**Graduate Music Performance; Viola** **Contact department for information to register for this course.**
MUSP610E	**Graduate Music Performance; Cello** **Contact department for information to register for this course.**
MUSP610F	**Graduate Music Performance; Bass** **Contact department for information to register for this course.**
MUSP610G	**Graduate Music Performance; Flute** **Contact department for information to register for this course.**
MUSP610H	**Graduate Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP610I	**Graduate Music Performance; Clarinet** **Contact department for information to register for this course.**

MUSP610J	**Graduate Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP610K	**Graduate Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP610L	**Graduate Music Performance; Horn** **Contact department for information to register for this course.**
MUSP610M	**Graduate Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP610N	**Graduate Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP610O	**Graduate Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP610P	**Graduate Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP610Q	**Graduate Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP610S	**Graduate Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP610T	**Graduate Music Performance; Composition** **Contact department for information to register for this course.**
MUSP610U	**Graduate Music Performance; Conducting** **Contact department for information to register for this course.**
MUSP610V	**Graduate Music Performance; Harp** **Contact department for information to register for this course.**

MUSP610X	**Graduate Music Performance; Historical Instruments - Keyboard** **Contact department for information to register for this course.**
MUSP619A	**Interpretation and Repertoire; Piano** **Contact department for information to register for this course.**
MUSP619B	**Interpretation and Repertoire; Voice** **Contact department for information to register for this course.**
MUSP619C	**Interpretation and Repertoire; Violin** **Contact department for information to register for this course.**
MUSP619D	**Interpretation and Repertoire; Viola** **Contact department for information to register for this course.**
MUSP619E	**Interpretation and Repertoire; Cello** **Contact department for information to register for this course.**
MUSP619F	**Interpretation and Repertoire; Bass** **Contact department for information to register for this course.**
MUSP619G	**Interpretation and Repertoire; Flute** **Contact department for information to register for this course.**
MUSP619H	**Interpretation and Repertoire; Oboe** **Contact department for information to register for this course.**
MUSP619I	**Interpretation and Repertoire; Clarinet** **Contact department for information to register for this course.**
MUSP619J	**Interpretation and Repertoire; Bassoon** **Contact department for information to register for this course.**
MUSP619K	**Interpretation and Repertoire; Saxophone** **Contact department for information to register for this course.**
MUSP619L	**Interpretation and Repertoire; Horn** **Contact department for information to register for this course.**

MUSP619M	**Interpretation and Repertoire; Trumpet** **Contact department for information to register for this course.**
MUSP619N	**Interpretation and Repertoire; Trombone** **Contact department for information to register for this course.**
MUSP619O	**Interpretation and Repertoire; Tuba** **Contact department for information to register for this course.**
MUSP619P	**Interpretation and Repertoire; Euphonium** **Contact department for information to register for this course.**
MUSP619Q	**Interpretation and Repertoire; Percussion** **Contact department for information to register for this course.**
MUSP619S	**Interpretation and Repertoire; Guitar** **Contact department for information to register for this course.**
MUSP619T	**Interpretation and Repertoire; Composition** **Contact department for information to register for this course.**
MUSP619U	**Interpretation and Repertoire; Conducting** **Contact department for information to register for this course.**
MUSP619V	**Interpretation and Repertoire; Harp** **Contact department for information to register for this course.**
MUSP619W	**Interpretation and Repertoire; Electronic Composition** **Contact department for information to register for this course.**
MUSP620A	**Graduate Music Performance; Piano** **Contact department for information to register for this course.**
MUSP620B	**Graduate Music Performance; Voice** **Contact department for information to register for this course.**

MUSP620C	**Graduate Music Performance; Violin** **Contact department for information to register for this course.**
MUSP620D	**Graduate Music Performance; Viola** **Contact department for information to register for this course.**
MUSP620E	**Graduate Music Performance; Cello** **Contact department for information to register for this course.**
MUSP620F	**Graduate Music Performance; Bass** **Contact department for information to register for this course.**
MUSP620G	**Graduate Music Performance; Flute** **Contact department for information to register for this course.**
MUSP620H	**Graduate Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP620I	**Graduate Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP620J	**Graduate Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP620K	**Graduate Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP620L	**Graduate Music Performance; Horn** **Contact department for information to register for this course.**
MUSP620M	**Graduate Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP620N	**Graduate Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP620O	**Graduate Music Performance; Tuba** **Contact department for information to register for this course.**

MUSP620P	**Graduate Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP620Q	**Graduate Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP620S	**Graduate Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP620T	**Graduate Music Performance; Composition** **Contact department for information to register for this course.**
MUSP620U	**Graduate Music Performance; Conducting** **Contact department for information to register for this course.**
MUSP620V	**Graduate Music Performance; Harp** **Contact department for information to register for this course.**
MUSP620W	**Graduate Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP719A	**Interpretation and Repertoire; Piano** **Contact department for information to register for this course.**
MUSP719B	**Interpretation and Repertoire; Voice** **Contact department for information to register for this course.**
MUSP719C	**Interpretation and Repertoire; Violin** **Contact department for information to register for this course.**
MUSP719D	**Interpretation and Repertoire; Viola** **Contact department for information to register for this course.**
MUSP719E	**Interpretation and Repertoire; Cello** **Contact department for information to register for this course.**

MUSP719F	**Interpretation and Repertoire; Bass** **Contact department for information to register for this course.**
MUSP719G	**Interpretation and Repertoire; Flute** **Contact department for information to register for this course.**
MUSP719H	**Interpretation and Repertoire; Oboe** **Contact department for information to register for this course.**
MUSP719I	**Interpretation and Repertoire; Clarinet** **Contact department for information to register for this course.**
MUSP719J	**Interpretation and Repertoire; Bassoon** **Contact department for information to register for this course.**
MUSP719K	**Interpretation and Repertoire; Saxophone** **Contact department for information to register for this course.**
MUSP719L	**Interpretation and Repertoire; Horn** **Contact department for information to register for this course.**
MUSP719M	**Interpretation and Repertoire; Trumpet** **Contact department for information to register for this course.**
MUSP719N	**Interpretation and Repertoire; Trombone** **Contact department for information to register for this course.**
MUSP719O	**Interpretation and Repertoire; Tuba** **Contact department for information to register for this course.**
MUSP719P	**Interpretation and Repertoire; Euphonium** **Contact department for information to register for this course.**
MUSP719Q	**Interpretation and Repertoire; Percussion** **Contact department for information to register for this course.**
MUSP719T	**Interpretation and Repertoire; Composition** **Contact department for information to register for this course.**

MUSP719U	**Interpretation and Repertoire; Conducting** **Contact department for information to register for this course.**
MUSP719W	**Interpretation and Repertoire; Electronic Composition** **Contact department for information to register for this course.**
MUSP815A	**Interpretation, Performance, and Pedagogy; Piano** **Contact department for information to register for this course.**
MUSP815B	**Interpretation, Performance, and Pedagogy; Voice** **Contact department for information to register for this course.**
MUSP815C	**Interpretation, Performance, and Pedagogy; Violin** **Contact department for information to register for this course.**
MUSP815D	**Interpretation, Performance, and Pedagogy; Viola** **Contact department for information to register for this course.**
MUSP815E	**Interpretation, Performance, and Pedagogy; Cello** **Contact department for information to register for this course.**
MUSP815F	**Interpretation, Performance, and Pedagogy; Bass** **Contact department for information to register for this course.**
MUSP815G	**Interpretation, Performance, and Pedagogy; Flute** **Contact department for information to register for this course.**
MUSP815H	**Interpretation, Performance, and Pedagogy; Oboe** **Contact department for information to register for this course.**
MUSP815I	**Interpretation, Performance, and Pedagogy; Clarinet** **Contact department for information to register for this course.**
MUSP815J	**Interpretation, Performance, and Pedagogy; Bassoon** **Contact department for information to register for this course.**

MUSP815K	**Interpretation, Performance, and Pedagogy; Saxophone** **Contact department for information to register for this course.**
MUSP815L	**Interpretation, Performance, and Pedagogy; Horn** **Contact department for information to register for this course.**
MUSP815M	**Interpretation, Performance, and Pedagogy; Trumpet** **Contact department for information to register for this course.**
MUSP815N	**Interpretation, Performance, and Pedagogy; Trombone** **Contact department for information to register for this course.**
MUSP815O	**Interpretation, Performance, and Pedagogy; Tuba** **Contact department for information to register for this course.**
MUSP815P	**Interpretation, Performance, and Pedagogy; Euphonium** **Contact department for information to register for this course.**
MUSP815Q	**Interpretation, Performance, and Pedagogy; Percussion** **Contact department for information to register for this course.**
MUSP815T	**Interpretation, Performance, and Pedagogy; Composition** **Contact department for information to register for this course.**
MUSP815U	**Interpretation, Performance, and Pedagogy; Conducting** **Contact department for information to register for this course.**
MUSP815W	**Interpretation, Performance, and Pedagogy; Electronic Composition** **Contact department for information to register for this course.**
MUSP816A	**Interpretation, Performance, and Pedagogy; Piano** **Contact department for information to register for this course.**
MUSP816B	**Interpretation, Performance, and Pedagogy; Voice** **Contact department for information to register for this course.**
MUSP816C	**Interpretation, Performance, and Pedagogy; Violin** **Contact department for information to register for this course.**

MUSP816D	**Interpretation, Performance, and Pedagogy; Viola** **Contact department for information to register for this course.**
MUSP816E	**Interpretation, Performance, and Pedagogy; Cello** **Contact department for information to register for this course.**
MUSP816F	**Interpretation, Performance, and Pedagogy; Bass** **Contact department for information to register for this course.**
MUSP816G	**Interpretation, Performance, and Pedagogy; Flute** **Contact department for information to register for this course.**
MUSP816H	**Interpretation, Performance, and Pedagogy; Oboe** **Contact department for information to register for this course.**
MUSP816I	**Interpretation, Performance, and Pedagogy; Clarinet** **Contact department for information to register for this course.**
MUSP816J	**Interpretation, Performance, and Pedagogy; Bassoon** **Contact department for information to register for this course.**
MUSP816K	**Interpretation, Performance, and Pedagogy; Saxophone** **Contact department for information to register for this course.**
MUSP816L	**Interpretation, Performance, and Pedagogy; Horn** **Contact department for information to register for this course.**
MUSP816M	**Interpretation, Performance, and Pedagogy; Trumpet** **Contact department for information to register for this course.**
MUSP816N	**Interpretation, Performance, and Pedagogy; Trombone** **Contact department for information to register for this course.**
MUSP816O	**Interpretation, Performance, and Pedagogy; Tuba** **Contact department for information to register for this course.**

MUSP816P	**Interpretation, Performance, and Pedagogy; Euphonium** **Contact department for information to register for this course.**
MUSP816Q	**Interpretation, Performance, and Pedagogy; Percussion** **Contact department for information to register for this course.**
MUSP816T	**Interpretation, Performance, and Pedagogy; Composition** **Contact department for information to register for this course.**
MUSP816U	**Interpretation, Performance, and Pedagogy; Conducting** **Contact department for information to register for this course.**
MUSP816V	**Interpretation, Performance, and Pedagogy; Harp** **Contact department for information to register for this course.**
MUSP816W	**Interpretation, Performance, and Pedagogy; Electronic Composition** **Contact department for information to register for this course.**
MUSP817A	**Interpretation, Performance, and Pedagogy; Piano** **Contact department for information to register for this course.**
MUSP817B	**Interpretation, Performance, and Pedagogy; Voice** **Contact department for information to register for this course.**
MUSP817C	**Interpretation, Performance, and Pedagogy; Violin** **Contact department for information to register for this course.**
MUSP817D	**Interpretation, Performance, and Pedagogy; Viola** **Contact department for information to register for this course.**
MUSP817E	**Interpretation, Performance, and Pedagogy; Cello** **Contact department for information to register for this course.**
MUSP817F	**Interpretation, Performance, and Pedagogy; Bass** **Contact department for information to register for this course.**
MUSP817G	**Interpretation, Performance, and Pedagogy; Flute** **Contact department for information to register for this course.**

MUSP817H	**Interpretation, Performance, and Pedagogy; Oboe** **Contact department for information to register for this course.**
MUSP817I	**Interpretation, Performance, and Pedagogy; Clarinet** **Contact department for information to register for this course.**
MUSP817J	**Interpretation, Performance, and Pedagogy; Bassoon** **Contact department for information to register for this course.**
MUSP817K	**Interpretation, Performance, and Pedagogy; Saxophone** **Contact department for information to register for this course.**
MUSP817L	**Interpretation, Performance, and Pedagogy; Horn** **Contact department for information to register for this course.**
MUSP817M	**Interpretation, Performance, and Pedagogy; Trumpet** **Contact department for information to register for this course.**
MUSP817N	**Interpretation, Performance, and Pedagogy; Trombone** **Contact department for information to register for this course.**
MUSP817O	**Interpretation, Performance, and Pedagogy; Tuba** **Contact department for information to register for this course.**
MUSP817P	**Interpretation, Performance, and Pedagogy; Euphonium** **Contact department for information to register for this course.**
MUSP817Q	**Interpretation, Performance, and Pedagogy; Percussion** **Contact department for information to register for this course.**
MUSP817T	**Interpretation, Performance, and Pedagogy; Composition** **Contact department for information to register for this course.**
MUSP817U	**Interpretation, Performance, and Pedagogy; Conducting** **Contact department for information to register for this course.**

MUSP817W **Interpretation, Performance, and Pedagogy; Electronic Composition**
Contact department for information to register for this course.

MUSP898 **Pre-Candidacy Research**

MUSP898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSP899 **Doctoral Dissertation Research**

MUSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Fall 2010

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1-2 credits) Grade Method: REG.

0101	Ricardo Araneda	Seats (Total: 20)	
	F 10:15am - 11:15am	BRB 1103	

NACS641 **Introduction to Neurosciences**

NACS641 *(PermReq)* **Introduction to Neurosciences; (4 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Detailed examination of neuroanatomy, neurophysiology, neural development and plasticity, sensory processing, motor control, and 'higher' CNS (Cognitive & Neural Science) functions such as language and memory.

0101	Daphne Soares, Ricardo Araneda	Seats (Total: 12)	
	TuTh 9:45am - 11:00am	BPS 1230	
	W 9:45am - 11:00am	BPS 1230	Discussion

NACS728C **Selected Topics in Neuroscience and Cognitive Science; Attachment Seminar**

NACS728C Selected Topics in Neuroscience and Cognitive Science: Attachment Seminar; (3 credits) Grade Method: REG/AUD.

0101	Jude Cassidy Th 2:00pm - 4:30pm	Seats (Total: 12) Location: TBA

NACS728Y **Selected Topics in Neuroscience and Cognitive Science; Introduction to Cognitive Science**

NACS728Y Selected Topics in Neuroscience and Cognitive Science: Introduction to Cognitive Science; (4 credits) Grade Method: REG/AUD.

0101	William Idsardi TuTh 1:30pm - 3:30pm	Seats (Total: 25) JMP 2202

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Fall 2010

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Nancy Katz MW 1:00pm - 1:50pm Th 8:30am - 9:20am	Seats (Total: 25) TYD 0130 ARM 0117	Discussion
0102	Nancy Katz MW 1:00pm - 1:50pm Th 8:30am - 9:30am	Seats (Total: 25) TYD 0130 ARM 0121	Discussion
0103	Nancy Katz MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0104	Nancy Katz MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 ARM 0110	Discussion
0105	Nancy Katz MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 TYD 1101	Discussion
0106	Nancy Katz MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1108	Discussion
0107	Nancy Katz MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0108	Nancy Katz MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 MMH 3418	Discussion

0109	Nancy Katz MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 HBK 0103	Discussion
0110	Nancy Katz MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 HBK 1112	Discussion
0111	Nancy Katz MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm *Recommended for NFSC majors only.*	Seats (Total: 25) TYD 0130 MMH 0108	Discussion
0112	Nancy Katz MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0113	Nancy Katz MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 ARM 0121	Discussion
0114	Nancy Katz MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EGR 2116	Discussion
0116	Nancy Katz MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 ARM 0120	Discussion
0117	Nancy Katz MW 1:00pm - 1:50pm W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 HZF 0106	Discussion
0118	Nancy Katz MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 ARM 0103	Discussion
FC01	Nancy Katz TuTh 4:30pm - 5:20pm F 11:30am - 12:20pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0102 EGR 3114	Discussion

FC02	Nancy Katz TuTh 4:30pm - 5:20pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0102 EGR 3114	Discussion

NFSC100H **Elements of Nutrition**

NFSC100H Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
For general honors students only.

0101	Nancy Katz MW 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 12) TYD 0130 MMH 3112	Discussion

NFSC112 **Food: Science and Technology**

NFSC112 Food: Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.

0101	Yangming Lo MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 30) JMZ 0220 MMH 0108	Discussion
0102	Yangming Lo MW 10:00am - 10:50am Th 4:00pm - 4:50pm	Seats (Total: 30) JMZ 0220 MMH 0108	Discussion
0103	Yangming Lo MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 MMH 3418	Discussion
0104	Yangming Lo MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 30) JMZ 0220 MMH 0108	Discussion

0105	Yangming Lo MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 30) JMZ 0220 WDS 1130	Discussion
0106	Yangming Lo MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 30) JMZ 0220 KEY 0123	Discussion
0201	Yangming Lo MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 19) CHM 1402 MMH 0108	Discussion
0202	Yangming Lo MW 10:00am - 10:50am Th 4:00pm - 4:50pm	Seats (Total: 19) CHM 1402 MMH 0108	Discussion
0203	Yangming Lo MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 19) CHM 1402 MMH 0108	Discussion
FC01	Yangming Lo MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) TLF 1101	
HSWJ	Ana Aguado MW 7:35am - 8:50am *Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.*	Seats (Total: 25) Location: TBA	

NFSC350 **Foodservice Operations**

NFSC350 *(PermReq)* **Foodservice Operations; (5 credits)** Grade Method: REG. *Prerequisite: BSCI223, BMGT364 and permission of department. For Dietetics majors only.* Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Margaret Wrobleski TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) WDS 1131 MMH 3108	Lab

0102	Margaret Wrobleski TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) WDS 1131 MMH 3108	 Lab

NFSC380 **Methods of Nutritional Assessment**

NFSC380 *(PermReq)* **Methods of Nutritional Assessment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: NFSC315, BCHM461, and permission of department. For NFSC majors only. Methods of assessing human nutritional status of populations and individuals. These methods include dietary, anthropometric, clinical evaluations and biochemical measurements.

0101	Margaret Wrobleski MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 15) MMH 0108 SKN 0101	 Lab
0102	Margaret Wrobleski MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 15) MMH 0108 SKN 0101	 Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Formerly FDSC386 and NUTR386. Junior standing.

Contact department for information to register for this course.

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC410 **Nutritional Genomics**

NFSC410 Nutritional Genomics; (3 credits) Grade Method: REG/AUD.
Prerequisite: NFSC440 or permission of department. The emerging discipline of nutritional genomics, also known as nutrigenomics, is the study of effects of diet on the activity of an individual's genes and health, and the study of how different genetic variations affect nutrient metabolism. This course is designed to acquaint the students with current concepts, knowledge and strategies for understanding nutritional genomics.

0101	Wen Hsing Cheng	Seats (Total: 20)	
	Th 4:00pm - 6:45pm	SKN 0101	

NFSC421 **Food Chemistry**

NFSC421 *(PermReq)* **Food Chemistry; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BCHM461. Basic chemical and physical concepts are applied to the composition and properties of foods. Emphasis on the relationship of processing technology to the keeping quality, nutritional value, and acceptability of foods.

0101	Liangli Yu	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	TYD 2108	

NFSC422 **Food Product Research and Development**

NFSC422 Food Product Research and Development; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: permission of department. Senior standing. For FDSC majors only. Formerly FDSC422. A capstone course for FDSC majors. A study of the research and development of new food products. Application of food technology, engineering, safety and packaging are integrated by teams of students to develop a new food product from concept to pilot plant scale-up. Students will travel to nearby food processing plants on two to four Saturdays during the semester.

0101	Qin Wang	Seats (Total: 15)	
	W 10:00am - 10:50am	MMH 0108	
	F 1:00pm - 5:00pm	MMH 3401	Lab

NFSC423 **Food Chemistry Laboratory**

NFSC423 Food Chemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Pre- or corequisite: NFSC421.* Analysis of the major and minor constituents of food using chemical, physical and instrumental methods in concordance with current food industry and regulatory practices. Laboratory exercises coincide with lecture subjects in NFSC421.

0101	Liangli Yu	Seats (Total: 15)	
	Th 8:30am - 9:20am	SKN 0101	
	Th 9:30am - 12:20pm	MMH 3419	Lab

NFSC425 **International Nutrition**

NFSC425 International Nutrition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: course in basic nutrition.* Nutritional status of world population; consequences of malnutrition on health and mental development; and local, national, and international programs for nutritional improvement.

0101	Mira Mehta, Nancy Katz	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	KNI 1103

NFSC440 **Advanced Human Nutrition**

NFSC440 *(PermReq)* **Advanced Human Nutrition; (4 credits)** Grade Method: REG. *Prerequisites: NFSC100, BCHM462, BSCI440, and permission of department.* A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro-and micro- minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health. Also offered as NFSC 678R.

0101	David Lei	Seats (Total: 75)
	TuTh 2:00pm - 3:40pm	PLS 1140

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: NFSC440 and permission of department. Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498P **Selected Topics; Nutrition, Food and Public Policy**

NFSC498P Selected Topics: Nutrition, Food and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as NFSC498P.

0101	Mickey Parish, Robert Post	Seats (Total: 20)
	TuTh 6:00pm - 7:15pm	PLS 1162

NFSC655 **Nutrition, Food and Public Policy**

NFSC655 Nutrition, Food and Public Policy; (3 credits) Grade Method: REG/AUD. *Formerly NUTR655.* History and current status of legislation relative to nutrition and food. Focus on gaining insights and skills regarding working effectively in the area of nutrition and policy. Also offered as NFSC498P.

0101	Robert Post, Mickey Parish	Seats (Total: 20)
	TuTh 6:00pm - 7:15pm	PLS 1162

NFSC660 **Research Methods**

NFSC660 Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: a statistics course. Formerly NUTR 660. A study of appropriate research methodology and theories including experimental design. Each student is required to develop a specimen research proposal.

0101	David Lei TuTh 9:30am - 10:45am	Seats (Total: 12) SKN 0101

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC678C **Selected Topics in Nutrition; Nutritional Genomics**

NFSC678C Selected Topics in Nutrition: Nutritional Genomics; (3 credits) Grade Method: REG/AUD.

0101	Wen Hsing Cheng Th 4:00pm - 6:45pm	Seats (Total: 20) SKN 0101

NFSC678R **Selected Topics in Nutrition; Advanced Human Nutrition**

NFSC678R Selected Topics in Nutrition: Advanced Human Nutrition; (4 credits) Grade Method: REG/AUD.
Also offered as NFSC 440.

0101	David Lei TuTh 2:00pm - 3:40pm	Seats (Total: 75) PLS 1140

NFSC679I **Selected Topics in Food Science; Integrated Food Science Topics**

NFSC679I Selected Topics in Food Science: Integrated Food Science Topics; (2 credits) Grade Method: REG.

0101	Yangming Lo F 2:00pm - 4:00pm	Seats (Total: 25) SKN 0101

NFSC688 **Seminar in Nutrition; Seminar in Nutrition**

NFSC688 Seminar in Nutrition: Seminar in Nutrition; (1-3 credits) Grade Method: REG/AUD.

0101	Wen Hsing Cheng W 12:00pm - 12:50pm	Seats (Total: 12) SKN 0101

NFSC690 **Nutrition and Aging**

NFSC690 Nutrition and Aging; (3 credits) Grade Method: REG/AUD. *Prerequisite: NFSC440, BSCI440 or equivalent. Not open to students who have completed NFSC678E.* Explore the nutrition needs of older adults and examine the potential impact of the physiological, social and psychological changes that occur with aging on the needs.

0101	Nadine Sahyoun Th 10:00am - 12:40pm	Seats (Total: 15) KEY 0107

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC888 **Doctoral Seminar; Doctoral Seminar**

NFSC888 Doctoral Seminar: Doctoral Seminar; (1 credit) Grade Method: REG/AUD.

0101	Wen Hsing Cheng W 12:00pm - 12:50pm	Seats (Total: 15) SKN 0101

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS Persian Fall 2010

PERS101 **Elementary Persian I**

PERS101 Elementary Persian I; (4 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of Persian. Credit will be granted for only one of the following: PERS101 or FOLA138K. Formerly FOLA138K. Introduction to the alphabet, pronunciation patterns, greetings, basic structures, and other fundamentals, with emphasis on oral and aural skills. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Delaram Soltani F 10:00am - 10:50am MTuW 10:00am - 10:50am	Seats (Total: 20) JMZ 0205 JMZ 1122
0201	Delaram Soltani MTuWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 2120

PERS201 **Intermediate Persian I**

PERS201 Intermediate Persian I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of Persian. Prerequisite: PERS102 or equivalent. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities.

0101	Delaram Soltani MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 0205

PERS211 **Intermediate Conversation**

PERS211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS102 or equivalent. Recommended: PERS201 taken concurrently.* Development of aural and oral skills in Persian. Various genres and registers of speech. Special focus on contemporary daily life, with use of up-to-date media sources.

0101	Delaram Soltani MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 14) JMZ 2122 JMZ 3122

PERS251 **Modern Iran**

PERS251 Modern Iran; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
General sociopolitical introduction to modern Iran from establishment of the Qajar dynasty in the late 18th century to the present day. Taught in English.

0101	Ahmad Moussavi MW 3:00pm - 4:15pm	Seats (Total: 35) SQH 2120

PERS301 **Advanced Persian I**

PERS301 Advanced Persian I; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native/fluent speakers of Persian. Prerequisite: PERS202 or permission of department.* Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities, especially reading.

0101	Ali Abasi MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 3203

PERS371 **Introduction to Persian Literature in Translation**

PERS371 Introduction to Persian Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Introduction to classical and modern canons of Persian literature in historical, esthetic, and social context. Taught in English.

0101	Ahmad Karimi-Hakkak TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 2206

PERS399 **Directed Study in Persian**

PERS399 *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS399Z **Directed Study in Persian; Persian Media**

PERS399Z Directed Study in Persian: Persian Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ali Abasi	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 0205

PERS411 **Readings in Iranian Islam**

PERS411 Readings in Iranian Islam; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* In-depth study of Iranian Islam via Islamic texts. Develops competency in speaking, reading, writing, and listening comprehension at advanced level. Taught in Persian.

PC01	Hadi Golkar	Seats (Total: 25)
	M 9:00am - 12:00pm	SQH 2123

PERS452 **Modern Persian Literature: A Survey**

PERS452 Modern Persian Literature: A Survey; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Surveys development of poetry and prose in the Persian-speaking world in modern times. Periods and genres. Content varies. Mastery of Persian is required.

0101	Ahmad Karimi-Hakkak	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JMZ 2207

PERS498 **Special Topics in Persian Studies**

PERS498 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/P-F/AUD.

Contact department for information to register for this course.

PERS601 **Modern Persian Literature**

Contact department for information to register for this course.

PERS611 **Practicum in Translation and Interpreting**

PERS611 Practicum in Translation and Interpreting; (3 credits) Grade Method: REG.

Prerequisite: permission of department. Analysis, translation, and interpreting of literary, expository, and oral texts, mainly from English to Persian. Focus on interdependence of language, context and culture. In Persian and English.

PC01	Nahal Akbari-Saneh Tu 9:00am - 12:00pm	Seats (Total: 25) SQH 2123

PERS641 **Iranian Media and International Relations**

PERS641 Iranian Media and International Relations; (3 credits) Grade Method: REG.

Prerequisite: permission of department. Political interests and diplomatic positions of Iran in the contemporary international context as reflected in its print and electronic media. In Persian.

PC01	Hadi Golkar F 9:00am - 12:00pm	Seats (Total: 25) SQH 2123

PERS689 **Special Topics in Persian Studies**

PERS689 Special Topics in Persian Studies; (3 credits) Grade Method: REG/AUD.

2910	Ahmad Karimi-Hakkak Contact instructor or department for details.	Seats (Total: 5)
PC01	Seyyed Mousavi W 9:00am - 12:00pm	Seats (Total: 15) Location: TBA

PERS689B **Special Topics in Persian Studies**
Contact department for information to register for this course.

PERS689C **Special Topics in Persian Studies; Life and Culture**
Contact department for information to register for this course.

PHIL Philosophy Fall 2010

PHIL100 **Introduction to Philosophy**

Click here for fuller PHIL course descriptions.
PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	JT Paasch TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 SKN 1115	Discussion
0102	JT Paasch TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 PLS 1111	Discussion
0103	JT Paasch TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 SKN 0104	Discussion
0104	JT Paasch TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 JMZ 2120	Discussion
0105	JT Paasch TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 HBK 0103	Discussion
0106	JT Paasch TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 HBK 0103	Discussion

0201	Vincent Picciuto MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 SYM 0209	Discussion
0202	Vincent Picciuto MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HBK 0105	Discussion
0203	Vincent Picciuto MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 ARM 0103	Discussion
0204	Vincent Picciuto MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 2106	Discussion
0205	Vincent Picciuto MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 1114	Discussion
0206	Vincent Picciuto MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 SKN 1115	Discussion

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Leland Saunders TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 JMZ 1122	Discussion
0102	Leland Saunders TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 TYD 2102	Discussion

0103	Leland Saunders TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 SQH 1107	Discussion
0104	Leland Saunders TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SYM 0209	Discussion
0105	Leland Saunders TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 ARM 0121	Discussion
0106	Leland Saunders TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 ARM 0101	Discussion
0107	Leland Saunders TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SKN 1115	Discussion
0108	Leland Saunders TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 TLF 1103	Discussion
0109	Leland Saunders TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 MMH 0108	Discussion
0201	Mark Engelbert MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 BPS 1124	Discussion
0202	Mark Engelbert MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 HBK 1112	Discussion
0203	Mark Engelbert MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 1114	Discussion

0204	Mark Engelbert MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 MTH 0102	Discussion
0205	Mark Engelbert MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 ARM 0110	Discussion
0206	Mark Engelbert MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 2110	Discussion
0207	Mark Engelbert MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 SKN 1112	Discussion
0208	Mark Engelbert MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 MTH 0101	Discussion
0209	Mark Engelbert MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 ARM 0103	Discussion
FC01	Wesley Van Camp MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) PLS 1113	
FC02	Mary Wood TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) WDS 0104	
FC03	Leland Saunders TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SQH 1103	
FC04	Benedicte Veillet MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ARM 0119	

FC05	Sungwon Woo TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MMH 0108	
HSWJ	Joshua Flaherty TuTh 7:35am - 8:50am *Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.*	Seats (Total: 35) Location: TBA	

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Michael Morreau MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 SKN 1112	Discussion
0102	Michael Morreau MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 BPS 0283	Discussion
0103	Michael Morreau MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 JMZ 2122	Discussion
0104	Michael Morreau MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 SKN 0104	Discussion
0105	Michael Morreau MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0106	Michael Morreau MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 2109	Discussion

0107	Michael Morreau MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 KEY 0102	Discussion
0108	Michael Morreau MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 WDS 0104	Discussion
0109	Michael Morreau MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 KEY 1117	Discussion

PHIL209I **Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics**

PHIL209I Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Allen Stairs TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SYM 0200 KEY 0126	Discussion
0102	Allen Stairs TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SYM 0200 TLF 1103	Discussion
0103	Allen Stairs TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SYM 0200 WDS 0104	Discussion

PHIL209Y **Philosophical Issues; Truth and Reality**
Contact department for information to register for this course.

PHIL233 **Philosophy in Literature**

PHIL233 Philosophy in Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Reading and philosophical criticism of fiction, poetry, and drama, dealing with issues of moral, religious, and metaphysical significance.

0101	Elizabeth Picciuto MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 HBK 0115	Discussion
0102	Elizabeth Picciuto MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 TYD 1114	Discussion
0103	Elizabeth Picciuto MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 ASY 3203	Discussion

PHIL245 **Political and Social Philosophy I**

PHIL245 Political and Social Philosophy I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

0101	Benedicte Veillet MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 ARM 0101	Discussion
0102	Benedicte Veillet MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 HJP 1125	Discussion
0103	Benedicte Veillet MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 WDS 1130	Discussion

PHIL250 **Philosophy of Science I**

PHIL250 Philosophy of Science I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Main issues in the philosophy of science. Special attention to the ways scientific developments have influenced the philosophy of science and how philosophy of science has influenced scientific progress. Case studies of selected historical episodes in which science and philosophy have interacted significantly, focusing on the physical, biological, or social sciences.

0101	Mathias Frisch TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) TWS 1100 KNI 1103	 Discussion
0102	Mathias Frisch TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) TWS 1100 KNI 1103	 Discussion
0103	Mathias Frisch TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) TWS 1100 KNI 1103	 Discussion

PHIL256 **Philosophy of Biology I**

PHIL256 Philosophy of Biology I; (3 credits) Grade Method: REG/AUD. CORE Humanities (HO) Course.
Issues in the discovery and justification of biological theories and models. Focus on cases from twentieth century biology, such as the genetic revolution or evolutionary theory.

0101	Erin Eaker MW 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 30) SKN 1115 ONLINE	 Discussion

PHIL261 **Philosophy of the Environment**

PHIL261 Philosophy of the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed HONR218F or PHIL209N. Formerly HONR218F. An evaluation of different kinds of arguments for the claim that the natural environment should be preserved. Perspectives cut across the disciplines of philosophy (environmental ethics and philosophies of nature); economics (cost-benefit analysis); and biology (evolution, ecology, environmental studies).

FC01	James Maffie TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) SKN 1112	

PHIL280 **Perspectives on the Mind: Philosophy and Cognitive Science**

PHIL280 Perspectives on the Mind: Philosophy and Cognitive Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
The role of representation and reasoning in cognition considered from the differing perspectives of the cognitive-science disciplines: linguistics, philosophy, neuroscience, psychology and computer science.

0101	Kent Erickson TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 KNI 1105	Discussion
0102	Kent Erickson TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 KNI 1105	Discussion
0103	Kent Erickson TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 KNI 1105	Discussion

PHIL308C **Studies in Contemporary Philosophy; Philosophy and Feminism**

PHIL308C Studies in Contemporary Philosophy: Philosophy and Feminism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in philosophy.

0101	Susan Dwyer MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1121	

PHIL308E **Studies in Contemporary Philosophy; Individual Liberty and Social Justice**

PHIL308E Studies in Contemporary Philosophy: Individual Liberty and Social Justice; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the relationship between the values of liberty, justice, and equality. Topics will include: What is liberty, and is there a conflict between liberty and equality? If we are concerned about equality, what is it that we should be concerned to equalize? Is there a right of self-ownership, and if so, what follows from it?

0101	Aaron Hoitink TuTh 2:00pm - 3:15pm	Seats (Total: 30) SKN 1115	

PHIL308Y **Studies in Contemporary Philosophy; Philosophy and World Religions**
Contact department for information to register for this course.

PHIL310 **Ancient Philosophy**

PHIL310 Ancient Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy or classics. A study of the origins and development of philosophy and science in ancient Greece, focusing on the pre-Socratics, Socrates, Plato, and Aristotle.

0101	Ryan Fanselow MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 TYD 2108	 Discussion
0102	Ryan Fanselow MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 TYD 2108	 Discussion
0103	Ryan Fanselow MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 SKN 0104	 Discussion

PHIL324 **Existentialism**

PHIL324 Existentialism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. A study of authors such as Kierkegaard, Nietzsche, Heidegger, Sarte, and Camus on issues of human morality, freedom, and suffering.

0101	Dimiter Kirilov MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 CSI 2120	 Discussion
0102	Dimiter Kirilov MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 CSI 2120	 Discussion
0103	Dimiter Kirilov MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 CSI 2120	 Discussion

PHIL332 **Philosophy of Beauty**

PHIL332 Philosophy of Beauty; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three courses in philosophy or permission of department. Philosophical theories, historical and contemporary, of beauty, sublimity, and other aesthetic qualities, of aesthetic experience, and of aesthetic judgment.

0101	John Brown TuTh 12:30pm - 1:45pm	Seats (Total: 30) SKN 1115	

PHIL341 **Ethical Theory**

PHIL341 Ethical Theory; (3 credits) Grade Method: REG.
Prerequisite: six credit hours in philosophy. Junior standing. A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.

0101	Patricia Greenspan MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 MTH 0303	 Discussion

0102	Patricia Greenspan MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 MMH 3418	Discussion
0103	Patricia Greenspan MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 LEF 1220	Discussion

PHIL360 **Philosophy of Language**

PHIL360 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two courses in philosophy, one of which must be PHIL170, PHIL173, or PHIL370; or permission of department.* An inquiry into the nature and function of language and other forms of symbolism.

0101	Alexander Williams TuTh 9:30am - 10:45am	Seats (Total: 30) SKN 1115

PHIL362 **Theory of Knowledge**

PHIL362 Theory of Knowledge; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL170 and 3 additional credits in Philosophy. Not open to students who have completed PHIL462. Formerly PHIL462.* Some central topics in the theory of knowledge, such as perception, memory, knowledge, and belief, skepticism, other minds, truth, and the problems of induction.

0101	Tudor Baetu TuTh 2:00pm - 3:15pm	Seats (Total: 30) TLF 1101

PHIL370 **Symbolic Logic**

PHIL370 Symbolic Logic; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL170 or CMSC250; or permission of department. Not open to students who have completed PHIL271 or PHIL371. Credit will be granted for only one of the following: PHIL271, PHIL370 or PHIL371.* A review of propositional and predicate logic and related topics and an introduction to the semantics and metatheory of first-order logic.

0101	Ryan Millsap	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SKN 1112

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408Y **Topics in Contemporary Philosophy; Philosophy of Science II**
Contact department for information to register for this course.

PHIL412 **The Philosophy of Plato**

PHIL412 The Philosophy of Plato; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine credit hours in philosophy. A critical study of selected dialogues.

0101	David McElhoes	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SKN 1112

PHIL440 **Contemporary Ethical Theory**

PHIL440 Contemporary Ethical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL341 or permission of instructor. Contemporary work on fundamental problems in ethical theory, such as whether there are moral truths, whether and how our moral claims can be justified, what exactly makes an act right or wrong, the nature of moral language, and the role of reason and emotion in moral judgment.

0101	Dan Moller	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SKN 1112

PHIL454 **Philosophy of Space and Time**
Contact department for information to register for this course.

PHIL478 **Topics in Philosophical Logic**

PHIL478 Topics in Philosophical Logic; (3 credits) Grade Method: REG/P-F.

0101	Michael Morreau	Seats (Total: 25)
	MW 2:00pm - 3:15pm	KEY 0121

PHIL484 **Philosophy of Action**

PHIL484 Philosophy of Action; (3 credits) Grade Method: REG.
Prerequisite: Two prior courses in philosophy, including either PHIL282 or PHIL310.
Reading in philosophy of action on topics such as: the nature and causes of action, practical reasons and rationality, self-control, weakness of will, freedom of action, free will, emotions and other sources of motivation.

0101	Patricia Greenspan	Seats (Total: 25)
	M 3:00pm - 5:30pm	SKN 1115

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498M **Topical Investigations; Myth, Narrative and Philosophy**
Contact department for information to register for this course.

PHIL660 **Metaphysics, Mind, and Language**

PHIL660 Metaphysics, Mind, and Language; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate status in philosophy or permission of department.* A basic course on selected issues in metaphysics, philosophy of mind, and philosophy of language for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Erin Eaker	Seats (Total: 20)
	M 2:00pm - 4:30pm	SKN 1116

PHIL688P **Selected Problems in Philosophy; Proseminar in Politics, Philosophy and Public Policy**

PHIL688P Selected Problems in Philosophy: Proseminar in Politics, Philosophy and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as PUAF698E.

0101	Karol Soltan	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	VMH 1107

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL808A **Seminar in the Problems of Philosophy; Global Justice and Order**

PHIL808A Seminar in the Problems of Philosophy: Global Justice and Order; (3 credits) Grade Method: REG/AUD.

0101	Christopher Morris Th 4:30pm - 7:00pm	Seats (Total: 20) SKN 1116

PHIL848A **Seminar in Ethics**

PHIL848A Seminar in Ethics; (3 credits) Grade Method: REG/AUD.

0101	Dan Moller Tu 4:30pm - 7:00pm	Seats (Total: 20) SKN 1116

PHIL879N **Seminar in Philosophy and Cognitive Studies; Representing Numbers**

PHIL879N Seminar in Philosophy and Cognitive Studies: Representing Numbers; (3 credits) Grade Method: REG/AUD.

0101	Paul Pietroski Tu 2:00pm - 4:30pm	Seats (Total: 20) SKN 1116

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Fall 2010

PHYS101 **Contemporary Physics - Revolutions in Physics**

Students should attend physics lab and discussion sections during the first week of class, unless directed to do otherwise by the course instructor.
PHYS101 Contemporary Physics - Revolutions in Physics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: eligibility for placement in MATH140 or MATH220. Not open to students who have completed PHYS111. For non-science students who are interested in the evolution of scientific thought and its present day significance. Historical, philosophic, experimental and theoretical aspects of physics are presented. Topics in mechanics, relativity, electricity and magnetism, and nuclear physics are covered.

0101	Roald Sagdeev	Seats (Total: 24)	
	TuTh 3:30pm - 4:45pm Tu 9:30am - 10:20am	CSS 2428 CSS 2316	Discussion
0102	Roald Sagdeev	Seats (Total: 24)	
	TuTh 3:30pm - 4:45pm Tu 2:00pm - 2:50pm	CSS 2428 CSS 4301	Discussion

PHYS102 **Physics of Music**

PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with PHYS103. Prerequisite: Placement in MATH110 or higher. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Credit will be granted for only one of the following: PHYS102 and PHYS499C. A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.

0101	Alan Peel	Seats (Total: 150)	
	TuTh 9:30am - 10:45am	PHY 1410	

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 102. Pre- or corequisite: PHYS102. Credit not applicable towards the minimum requirements for a major in physics and astronomy.* Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.

0101	Oscar Greenberg Th 11:00am - 12:50pm	Seats (Total: 15) PHY 3213	 Lab
0201	Oscar Greenberg Th 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	 Lab
0301	Oscar Greenberg Th 3:30pm - 5:20pm	Seats (Total: 15) PHY 3213	 Lab
0401	Oscar Greenberg F 10:00am - 11:50am *Recommended for First-Year students.*	Seats (Total: 15) PHY 3213	 Lab
0501	Oscar Greenberg F 12:00pm - 1:50pm	Seats (Total: 15) PHY 3213	 Lab
0601	Oscar Greenberg F 2:00pm - 3:50pm	Seats (Total: 15) PHY 3213	 Lab
0701	Oscar Greenberg W 3:00pm - 5:00pm	Seats (Total: 15) PHY 3213	 Lab
0801	Oscar Greenberg W 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	 Lab

PHYS104 **How Things Work: Science Foundations**

PHYS104 How Things Work: Science Foundations; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: Placement in MATH110 or higher. Not open to student who have completed PHYS121 or any higher physics course without deparmental permission.
This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

0201	Theodore Jacobson MWF 2:00pm - 2:50pm	Seats (Total: 66) PHY 1410	

PHYS105 **Physics for Decision Makers: Global Energy Crisis**

PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Jordan Goodman TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 PHY 1219	 Discussion
0102	Jordan Goodman TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 20) PHY 1412 PHY 0405	 Discussion
0104	Jordan Goodman TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 PHY 1219	 Discussion

0105	Jordan Goodman TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 20) PHY 1412 PHY 1219	 Discussion

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 107. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows.

0101	Matthew Bobrowsky MWF 2:00pm - 2:50pm	Seats (Total: 160) PHY 1412	

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 106. Pre- or corequisite: PHYS106. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena.

0101	Suresh Tonwar Tu 9:00am - 10:50am *Recommended for First Year students.*	Seats (Total: 24) PHY 3214	 Lab
0201	Suresh Tonwar Tu 2:00pm - 3:50pm *Recommended for First Year students.*	Seats (Total: 24) PHY 3214	 Lab
0501	Suresh Tonwar W 12:00pm - 1:50pm	Seats (Total: 24) PHY 3214	 Lab

0701	Suresh Tonwar Th 10:00am - 11:50am	Seats (Total: 24) PHY 3214	 Lab
0801	Suresh Tonwar Th 2:00pm - 3:50pm	Seats (Total: 24) PHY 3214	 Lab

PHYS111 **Physics in the Modern World**
Contact department for information to register for this course.

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Recommended: High school physics. For elementary education, early childhood majors only. Not open to students who have completed PHYS117. Credit will be granted for only one of the following: PHYS115 or PHYS117. Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Kara Hoffman MTuW 2:00pm - 4:00pm	Seats (Total: 20) PHY 3316	 Lab
0201	Simone-Gunde Kulin MTuW 10:00am - 11:50am	Seats (Total: 20) PHY 3316	 Lab

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: MATH112 or MATH115. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 11,1. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 5:00pm - 6:50pm	PHY 3306	Lab
	W 4:00pm - 4:50pm	PHY 3301	Discussion
0102	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 4:00pm - 5:50pm	PHY 3306	Lab
	M 3:00pm - 3:50pm	PHY 3301	Discussion
0103	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 11:00am - 12:50pm	PHY 3306	Lab
	Tu 10:00am - 10:50am	PHY 3301	Discussion
0104	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 1:00pm - 2:50pm	PHY 3306	Lab
	Tu 12:00pm - 12:50pm	PHY 3301	Discussion
0105	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 1:00pm - 2:50pm	PHY 3306	Lab
	W 12:00pm - 12:50pm	PHY 3301	Discussion
0106	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 9:00am - 10:50am	PHY 3306	Lab
	Th 8:00am - 8:50am	PHY 3301	Discussion
0107	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 12:00pm - 1:50pm	PHY 3306	Lab
	M 11:00am - 11:50am	PHY 3301	Discussion
0108	Peter Shawhan	Seats (Total: 25)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 1:00pm - 3:00pm	PHY 3306	Lab
	Th 12:00pm - 12:50pm	PHY 3301	Discussion

0201	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 10:00am - 11:50am	PHY 3306	Lab
	M 9:00am - 9:50am	PHY 3301	Discussion
0202	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 2:00pm - 3:50pm	PHY 3306	Lab
	M 1:00pm - 1:50pm	PHY 3301	Discussion
0203	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 9:00am - 10:50am	PHY 3306	Lab
	Tu 8:00am - 8:50am	PHY 3301	Discussion
0204	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 3:00pm - 4:50pm	PHY 3306	Lab
	Tu 2:00pm - 2:50pm	PHY 3301	Discussion
0205	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 10:00am - 11:50am	PHY 3306	Lab
	W 9:00am - 9:50am	PHY 3301	Discussion
0206	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 3:00pm - 4:50pm	PHY 3306	Lab
	W 1:00pm - 1:50pm	PHY 3301	Discussion
0207	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 11:00am - 12:50pm	PHY 3306	Lab
	Th 10:00am - 10:50am	PHY 3301	Discussion
0208	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 3:00pm - 4:50pm	PHY 3306	Lab
	Th 2:00pm - 2:50pm	PHY 3301	Discussion

0401	David Buehrle	Seats (Total: 19)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 8:00pm - 9:50pm	PHY 3306	Lab
	W 6:30pm - 7:20pm	PHY 3301	Discussion
0402	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	W 7:30pm - 9:20pm	PHY 3306	Lab
	M 6:30pm - 7:20pm	PHY 3301	Discussion
0403	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Th 7:30pm - 8:20pm	PHY 3301	Discussion
0404	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 6:00pm - 7:50pm	PHY 3306	Lab
	M 5:00pm - 5:50pm	PHY 3301	Discussion
0405	David Buehrle	Seats (Total: 16)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Th 7:30pm - 9:20pm	PHY 3306	Lab
	Tu 6:00pm - 6:50pm	PHY 1204	Discussion
SEF1	David Buehrle	Seats (Total: 8)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Th 7:30pm - 9:20pm	PHY 3306	Lab
	Tu 6:00pm - 6:50pm	PHY 1204	Discussion
	This section is restricted to students in the Science in Evening progra . Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

SEF2	David Buehrle	Seats (Total: 5)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 8:00pm - 9:50pm	PHY 3306	Lab
	W 6:30pm - 7:20pm	PHY 3301	Discussion
	This section is restricted to students in the Science in Evening progra . Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SG91	George Sherwood	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	BLD2 2062	
	F 2:00pm - 4:50pm	Location: TBA	Lab
	F 1:00pm - 1:50pm	Location: TBA	Discussion
	Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS121 or equivalent. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3312	Lab
	M 3:00pm - 3:50pm	PHY 1402	Discussion
0102	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 10:00am - 11:50am	PHY 3312	Lab
	Tu 9:00am - 9:50am	PHY 1219	Discussion
0103	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 12:00pm - 1:50pm	PHY 3312	Lab
	Tu 11:00am - 11:50am	PHY 0405	Discussion

0104	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3312	Lab
	Tu 1:00pm - 1:50pm	PHY 1304	Discussion
0201	Satindar Bhagat	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	W 11:00am - 12:50pm	PHY 3312	Lab
	W 9:00am - 9:50am	PHY 1219	Discussion
0202	Satindar Bhagat	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	M 12:00pm - 1:50pm	PHY 3312	Lab
	M 10:00am - 10:50am	PHY 1219	Discussion
0203	Satindar Bhagat	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	Th 9:00am - 10:50am	PHY 3312	Lab
	Th 8:00am - 8:50am	PHY 1219	Discussion
0204	Satindar Bhagat	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	W 3:00pm - 4:50pm	PHY 3312	Lab
	W 2:00pm - 2:50pm	MTH 0407	Discussion
0401	Hsing-Hen Chen	Seats (Total: 23)	
	MW 7:00pm - 8:15pm	PHY 1204	
	Tu 7:30pm - 9:20pm	PHY 3312	Lab
	Tu 6:30pm - 7:20pm	PHY 1219	Discussion
SEF1	Hsing-Hen Chen	Seats (Total: 1)	
	MW 7:00pm - 8:15pm	PHY 1204	
	Tu 7:30pm - 9:20pm	PHY 3312	Lab
	Tu 6:30pm - 7:20pm	PHY 1219	Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

PHYS141 Principles of Physics

PHYS141 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Corequisite: MATH141 or MATH221. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools. Physics clinics, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0102	Darayash Tata	Seats (Total: 26)	
	MWF 11:00am - 11:50am	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3314	Lab
	M 3:00pm - 3:50pm	PHY 1204	Discussion
0103	Darayash Tata	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 9:00am - 10:50am	PHY 3314	Lab
	Tu 8:00am - 8:50am	PHY 1219	Discussion
0104	Darayash Tata	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 11:00am - 12:50pm	PHY 3314	Lab
	Tu 10:00am - 10:50am	PHY 1204	Discussion
0105	Darayash Tata	Seats (Total: 26)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3314	Lab
	Tu 1:00pm - 1:50pm	PHY 0405	Discussion

PHYS142 **Principles of Physics**

PHYS142 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS141 or equivalent. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261 (formerly: PHYS262) or PHYS272. A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics clinic PHY 1214, MTWHF 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Ki-Yong Kim	Seats (Total: 24)	
	MWF 3:00pm - 3:50pm	PHY 1201	
	Th 4:00pm - 5:50pm	PHY 0405	Lab
	Th 3:00pm - 3:50pm	PHY 1402	Discussion
0102	Ki-Yong Kim	Seats (Total: 24)	
	MWF 3:00pm - 3:50pm	PHY 1201	
	Th 12:00pm - 1:50pm	PHY 3314	Lab
	Th 11:00am - 11:50am	PHY 0405	Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics clinic, PHY 1214, MTWHF 11, 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Darayash Tata	Seats (Total: 28)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	Tu 3:00pm - 3:50pm	PHY 1402	Discussion
0103	Darayash Tata	Seats (Total: 28)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	F 10:00am - 10:50am	PHY 1402	Discussion

0104	Darayash Tata MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 28) PHY 1410 PHY 1219	Discussion
0201	Giridhar Nandikotkur TuTh 11:00am - 12:15pm Th 8:00am - 8:50am	Seats (Total: 28) PHY 1410 PHY 0405	Discussion
0202	Giridhar Nandikotkur TuTh 11:00am - 12:15pm Tu 2:00pm - 2:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion
0203	Giridhar Nandikotkur TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 28) PHY 1410 PHY 0405	Discussion
0301	Frederick Wellstood MWF 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 28) PHY 1410 MTH B0427	Discussion
0302	Frederick Wellstood MWF 10:00am - 10:50am Tu 4:00pm - 4:50pm	Seats (Total: 28) PHY 1410 PHY 1204	Discussion
0303	Frederick Wellstood MWF 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 28) PHY 1410 PHY 0405	Discussion

PHYS170 **Professional Physics Seminar**

PHYS170 Professional Physics Seminar; (1 credit) Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Recommended: high school physics.* Provides a look at some of the major developments of current interest in physics research and discusses the activities physicists undertake in research, education, industry, government, and other areas of the economy.

0101	Robert Park W 12:00pm - 12:50pm	Seats (Total: 13) PHY 1304	
0201	Robert Park M 12:00pm - 12:50pm	Seats (Total: 13) PHY 1304	

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity. Also offered as PHYS 171H.

0201	Arthur La Porta	Seats (Total: 49)
	MTuThF 9:00am - 9:50am	PHY 1201

PHYS171H **Introductory Physics: Mechanics and Relativity**

PHYS171H *(PermReq)* **Introductory Physics: Mechanics and Relativity; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. Also offered as PHYS171.

0201	Arthur La Porta	Seats (Total: 49)
	MTuThF 9:00am - 9:50am	PHY 1201

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: high school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Suresh Tonwar W 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0102	Arpita Upadhyaya W 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0103	Gary Pennington Th 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0104	Gary Pennington Th 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0105	Arpita Upadhyaya W 12:00pm - 1:50pm	Seats (Total: 14) PHY 3115	Lab
0106	Suresh Tonwar Th 12:00pm - 2:00pm	Seats (Total: 14) PHY 3115	Lab
0107	Gary Pennington Tu 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0108	Arpita Upadhyaya Tu 10:00am - 11:50am	Seats (Total: 14) PHY 3115	Lab

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142; PHYS260 and PHYS 261 (Formerly: PHYS262) or PHYS272. Formerly PHYS262. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Gary Pennington MW 4:00pm - 5:15pm Tu 11:00am - 11:50am	Seats (Total: 32) PHY 1410 MTH 0304	Discussion
0102	Gary Pennington MW 4:00pm - 5:15pm W 10:00am - 10:50am	Seats (Total: 32) PHY 1410 PHY 1219	Discussion
0103	Gary Pennington MW 4:00pm - 5:15pm W 8:00am - 8:50am	Seats (Total: 32) PHY 1410 PHY 1219	Discussion
0104	Gary Pennington MW 4:00pm - 5:15pm W 9:00am - 9:50am	Seats (Total: 32) PHY 1410 MTH B0423	Discussion
0105	Gary Pennington MW 4:00pm - 5:15pm W 10:00am - 10:50am	Seats (Total: 32) PHY 1410 PHY 1204	Discussion
0201	Chuan Liu MW 3:00pm - 4:15pm Tu 8:00am - 8:50am	Seats (Total: 32) PHY 1412 PHY 0405	Discussion
0202	Chuan Liu MW 3:00pm - 4:15pm Tu 9:00am - 9:50am	Seats (Total: 32) PHY 1412 MTH 0401	Discussion
0203	Chuan Liu MW 3:00pm - 4:15pm Tu 11:00am - 11:50am	Seats (Total: 20) PHY 1412 CHM 1224	Discussion
0204	Chuan Liu MW 3:00pm - 4:15pm W 10:00am - 10:50am	Seats (Total: 33) PHY 1412 PHY 1304	Discussion
0205	Chuan Liu MW 3:00pm - 4:15pm W 12:00pm - 12:50pm	Seats (Total: 30) PHY 1412 PHY 1402	Discussion

0301	Richard Ellis TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm *Click here for more course information.*	Seats (Total: 30) PHY 1410 PHY 1402	Discussion
0302	Richard Ellis TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 29) PHY 1410 PHY 1219	Discussion
0303	Richard Ellis TuTh 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 29) PHY 1410 PHY 0405	Discussion
0304	Richard Ellis TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 29) PHY 1410 PHY 1201	Discussion
0305	Richard Ellis TuTh 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 29) PHY 1410 PHY 1402	Discussion
0401	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 0405	Discussion
0402	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 0405	Discussion
0403	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	Discussion
0404	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 0405	Discussion

PHYS260H **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260H General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142; PHYS260 and PHYS 261 (Formerly: PHYS262) or PHYS272. Formerly PHYS262. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00 Click here for more course information.

0301	Richard Ellis TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 21) PHY 1410 PHY 0405	 Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Formerly PHYS262A. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. Students must pay a $50.00 laboratory materials fee.

0101	Min Ouyang M 8:00am - 10:50am	Seats (Total: 27) PHY 3219	 Lab
0102	Min Ouyang M 12:00pm - 2:50pm	Seats (Total: 27) PHY 3219	 Lab
0103	Min Ouyang M 3:00pm - 5:50pm	Seats (Total: 27) PHY 3219	 Lab
0104	Min Ouyang Tu 10:00am - 12:50pm	Seats (Total: 27) PHY 3219	 Lab
0105	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 27) PHY 3219	 Lab

0106	Min Ouyang M 7:00pm - 9:50pm	Seats (Total: 27) PHY 3219	Lab
0107	Min Ouyang Tu 7:00pm - 9:50pm	Seats (Total: 27) PHY 3219	Lab
0108	Min Ouyang W 7:00pm - 9:50pm	Seats (Total: 27) PHY 3219	Lab
0109	Min Ouyang W 8:00am - 10:50am	Seats (Total: 27) PHY 3219	Lab
0110	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 27) PHY 3219	Lab
0111	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 27) PHY 3219	Lab
0112	Min Ouyang W 4:00pm - 6:50pm	Seats (Total: 27) PHY 3219	Lab
0113	Min Ouyang Th 8:00am - 10:50am	Seats (Total: 27) PHY 3219	
0114	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 27) PHY 3219	Lab
0115	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 27) PHY 3219	Lab
0116	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 27) PHY 3219	Lab
0117	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 27) PHY 3310	Lab
0118	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 27) PHY 3310	Lab
0119	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 27) PHY 3310	Lab

0120	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 27) PHY 3310	Lab
0121	Min Ouyang Tu 7:00pm - 9:50pm	Seats (Total: 27) PHY 3310	Lab
0122	Min Ouyang W 9:00am - 11:50am	Seats (Total: 27) PHY 3310	Lab
0123	Min Ouyang W 4:00pm - 6:50pm	Seats (Total: 27) PHY 3310	Lab
0124	Min Ouyang W 7:00pm - 9:50pm	Seats (Total: 27) PHY 3310	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Formerly PHYS262A.

0101	Min Ouyang Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 271. Prerequisite: PHYS260, PHYS261 and MATH241. Corequisite: PHYS271. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. Formerly PHYS263. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Hailu Gebremariam TuTh 5:00pm - 6:15pm Th 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 BPS 1228	 Discussion
0102	Hailu Gebremariam TuTh 5:00pm - 6:15pm Th 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1204	 Discussion
0103	Hailu Gebremariam TuTh 5:00pm - 6:15pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 MTH 0101	 Discussion
0104	Hailu Gebremariam TuTh 5:00pm - 6:15pm F 1:00pm - 1:50pm	Seats (Total: 29) PHY 1412 PHY 0405	 Discussion
0301	Rabindra Mohapatra MWF 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 29) PHY 1410 PHY 0405	 Discussion
0302	Rabindra Mohapatra MWF 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 29) PHY 1410 PHY 0405	 Discussion
0303	Rabindra Mohapatra MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 29) PHY 1410 PHY 1219	 Discussion

0304	Rabindra Mohapatra MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 29) PHY 1410 PHY 1219	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. Students must pay a $50.00 laboratory materials fee.

0102	Min Ouyang M 3:00pm - 5:50pm	Seats (Total: 26) PHY 3220	 Lab
0103	Min Ouyang M 6:00pm - 8:50pm	Seats (Total: 26) PHY 3220	 Lab
0105	Min Ouyang Tu 10:00am - 12:50pm	Seats (Total: 25) PHY 3220	 Lab
0106	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 25) PHY 3220	 Lab
0107	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 25) PHY 3220	 Lab
0116	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 25) PHY 3220	 Lab
0117	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 25) PHY 3220	 Lab
0118	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 25) PHY 3220	 Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A.

0101	Min Ouyang	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS 272H.

0101	Douglas Hamilton	Seats (Total: 55)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS272H **Introductory Physics: Fields**

PHYS272H Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142. For general honors students only. Also offered as PHYS 272.

0101	Douglas Hamilton	Seats (Total: 55)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS 273H.

0101	Christopher Monroe MTuWTh 9:00am - 9:50am	Seats (Total: 55) PHY 1204	

PHYS273H **Introductory Physics: Waves**

PHYS273H Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. For general honors students only. Also offered as PHYS 273.

0101	Christopher Monroe MTuWTh 9:00am - 9:50am	Seats (Total: 55) PHY 1204	

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS272. Prerequisites: (PHYS171 or PHYS161) and PHYS174. Corequisite: PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.

0101	Christopher Lobb M 2:00pm - 5:50pm	Seats (Total: 11) PHY 3203	Lab
0201	Christopher Lobb W 2:00pm - 5:50pm	Seats (Total: 11) PHY 3203	Lab

0301	George Goldenbaum Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	 Lab
0401	George Goldenbaum Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	 Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272 and PHYS275. Credit will be granted for only one of the following: PHYS276 or former PHYS295. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Johnpierre Paglione M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	 Lab
0201	Johnpierre Paglione Tu 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	 Lab
0301	Luis Orozco F 12:00pm - 3:50pm	Seats (Total: 12) PHY 3120	 Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and MATH246. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Wolfgang Losert M 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 50) PHY 1201 PHY 1201	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and PHYS276. Credit will be granted for only one of the following: PHYS375 or former PHYS296. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics. Besides lab hours scheduled below, additional required lab time will be arranged.

0101	Steven Anlage M 2:00pm - 2:50pm M 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3104	 Lab
0102	Steven Anlage M 2:00pm - 2:50pm W 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3104	 Lab
0201	Ian Appelbaum Tu 2:00pm - 2:50pm Tu 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3104	 Lab
0202	Ian Appelbaum Tu 2:00pm - 2:50pm Th 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3104	 Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273. Corequisites: PHYS374 and MATH240. Credit will be granted for only one of the following: PHYS401 or PHYS421. Formerly PHYS421. Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Carter Hall	Seats (Total: 68)	
	MWF 10:00am - 10:50am	PHY 1201	
	W 11:00am - 11:50am	PHY 1201	

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS401, and PHYS374, and MATH240. Credit will be granted for only one of the following: PHYS402 or former PHYS422. Formerly PHYS422. Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Steven Rolston	Seats (Total: 45)	
	MWF 10:00am - 10:50am	PHY 0405	
	W 11:00am - 11:50am	PHY 0405	

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 or equivalent, and MATH241. Credit will be granted for only one of the following: PHYS404 or former PHYS414. Formerly PHYS414. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Victor Yakovenko	Seats (Total: 45)	
	TuTh 12:30pm - 1:45pm	PHY 1204	

PHYS405 **Advanced Experiments**

PHYS405 Advanced Experiments; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375. For PHYS majors only. Formerly PHYS395. Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Michael Coplan, Abolhassan Jawahery	Seats (Total: 14)	
	W 12:00pm - 12:50pm	PHY 1219	Lab
	TBA	PHY 3112	Lab

0102	Abolhassan Jawahery, Michael Coplan	Seats (Total: 14)	
	W 12:00pm - 12:50pm	PHY 1219	Lab
	TBA	PHY 3112	Lab

PHYS407 **Undergraduate Experimental Research**

PHYS407 Undergraduate Experimental Research; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375, PHYS499A, and permission of department. Senior standing. For PHYS majors only. Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Richard Ellis	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Zackaria Chacko	Seats (Total: 45)
	TuTh 9:00am - 10:50am	PHY 0405

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Dieter Brill	Seats (Total: 49)	
	TuTh 11:00am - 11:50am	PHY 1402	
	M 11:00am - 11:50am	PHY 1402	
	F 11:00am - 11:50am	PHY 1402	Discussion

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: (PHYS270 and PHYS271 {formerly: PHYS263} or PHYS273); and MATH246.* A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Kevork Abazajian	Seats (Total: 40)	
	MW 4:00pm - 5:15pm	PHY 0405	

PHYS431 **Properties of Matter**

PHYS431 Properties of Matter; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: MATH241 and (PHYS270 and PHYS271 {formerly: PHYS263}), PHYS 401 or PHYS420. Also offered as ENMA460. Credit will be granted for only one of the following: ENMA460 or PHYS431.* Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.

0101	Ichiro Takeuchi	Seats (Total: 33)	
	MW 3:30pm - 4:45pm	CHM 1228	

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499O **Special Problems in Physics; A Topical Introduction to Atomic Molecular and Optical Physics**

PHYS499O *(PermReq)* **Special Problems in Physics: A Topical Introduction to Atomic Molecular and Optical Physics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Luis Orozco	Seats (Total: 10)
	W 1:00pm - 1:50pm	CSS 2250
	Th 2:00pm - 3:40pm	CSS 2250

PHYS601 **Theoretical Dynamics**

PHYS601 *(PermReq)* **Theoretical Dynamics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 410 or equivalent. Lagrangian and Hamiltonian mechanics, two-body central force problem, rigid body motion, small oscillations, continuous systems.

0101	Thomas Cohen	Seats (Total: 49)
	MWF 9:00am - 9:50am	PHY 1402

PHYS604 **Methods of Mathematical Physics**

PHYS604 *(PermReq)* **Methods of Mathematical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisites: {advanced calculus; and PHYS 410; and PHYS 411}; or equivalent. Ordinary and partial differential equations of physics, boundary value problems, Fourier series, Green's functions, complex variables and contour integration.

0101	James Drake	Seats (Total: 50)
	TuTh 9:30am - 10:45am	PHY 1402

PHYS615 **Nonlinear Dynamics of Extended Systems**

PHYS615 Nonlinear Dynamics of Extended Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 601. Theory and applications of nonlinear dynamics of extended systems including nonlinear waves, pattern formation, turbulence, self-organized criticality and networks. Additional topics to be selected by instructor from areas of current research.

0101	Michelle Girvan	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	PHY 1304	

PHYS621 **Graduate Laboratory**

PHYS621 *(PermReq)* **Graduate Laboratory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: PHYS 405 or equivalent.* Design and performance of advanced experiments in modern and classical physics.

0101	Andris Skuja	Seats (Total: 12)	
	MW 10:00am - 1:00pm	PHY 3112	Lab

PHYS622 **Introduction to Quantum Mechanics I**

PHYS622 *(PermReq)* **Introduction to Quantum Mechanics I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory, etc. Applications to solid state, atomic, and nuclear physics.

0201	Paulo Bedaque	Seats (Total: 55)	
	MW 10:00am - 10:50am	CHM 0127	
	F 10:00am - 11:50am	CHM 0127	

PHYS624 **Advanced Quantum Mechanics**

PHYS624 Advanced Quantum Mechanics; (3 credits) Grade Method: REG/AUD. *Prerequisite: PHYS 623.* Relativistic wave equations, second quantization in many body problems and relativistic wave equations, Feynman-Dyson perturbation theory, applications to many body problems, application to quantum electrodynamics, elements of renormalization.

0101	Kaustubh Agashe	Seats (Total: 38)	
	MWF 1:00pm - 1:50pm	PHY 1219	

PHYS675 **Introduction to Relativity, Gravitation and Cosmology**

PHYS675 Introduction to Relativity, Gravitation and Cosmology; (3 credits) Grade Method: REG/AUD.
Prerequisites: PHYS 601 and PHYS 606. Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.

0101	Alessandra Buonanno	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PHY 1204

PHYS708 **Seminar in Teaching College Physics**

PHYS708 Seminar in Teaching College Physics; (1 credit) Grade Method: REG/AUD.

0101	Ayush Gupta	Seats (Total: 10)
	W 2:00pm - 3:15pm	Location: TBA

PHYS709 **Seminar in General Physics; Statistical Physics Seminar**

PHYS709 Seminar in General Physics: Statistical Physics Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH 709B.

0101	John Weeks	Seats (Total: 20)
	W 4:00pm - 5:00pm	IPT 1116

PHYS721 **Atomic and Optical Physics I (Survey)**

PHYS721 Atomic and Optical Physics I (Survey); (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. 3 semester hours. A survey of topics involving the physics of atoms and their interaction with radiation, including atoms in external fields, lasers, atomic spectroscopy and atomic structure.

0101	Eite Tiesinga	Seats (Total: 30)
	MW 2:30pm - 3:50pm	PHY 1219

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Steven Rolston M 12:00pm - 2:00pm	Seats (Total: 20) PHY 1201

PHYS731 **Solid State Physics: Survey**

PHYS731 Solid State Physics: Survey; (3 credits) Grade Method: REG/AUD.
A variety of topics such as crystal structure, mechanical, thermal, electrical, and magnetic properties of solids, band structure, the Fermi surface, and superconductivity will be treated. Although the emphasis will be on the phenomena, the methods of quantum mechanics are freely employed in this description.

0101	James Anderson TuTh 11:00am - 12:15pm	Seats (Total: 25) PHY 1204

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 739.

0101	Victor Galitskiy, Min Ouyang Th 2:00pm - 3:50pm	Seats (Total: 30) PHY 1201

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 738.

0101	Min Ouyang, Victor Galitskiy Th 2:00pm - 3:50pm	Seats (Total: 30) PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Carter Hall, Elizabeth Beise W 2:30pm - 4:00pm	Seats (Total: 24) PHY 2202

PHYS749 **Seminar in Theoretical Nuclear Physics**

PHYS749 Seminar in Theoretical Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Xiangdong Ji W 4:00pm - 6:00pm	Seats (Total: 20) PHY 1219

PHYS751 **Elementary Particle Physics I: Survey**

PHYS751 Elementary Particle Physics I: Survey; (3 credits) Grade Method: REG/AUD.
Corequisite: PHYS624. Nuclear forces are studied by examining interactions at high energies. Meson physics, scattering processes, and detailed analysis of high energy experiments.

0101	Sarah Eno TuTh 9:30am - 10:45am	Seats (Total: 20) PHY 1304

PHYS758 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS758 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Kara Hoffman W 4:00pm - 6:00pm	Seats (Total: 15) PHY 1201

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Kaustubh Agashe M 3:00pm - 4:00pm	Seats (Total: 15) PHY 4102

PHYS761 **Plasma Physics I: Survey**

PHYS761 Plasma Physics I: Survey; (3 credits) Grade Method: REG/AUD. *Prerequisites: {PHYS 604; and PHYS 606}.* A detailed study of plasma physics. The first semester treats particle orbit theory, magnetohydrodynamics, plasma waves, and transport phenomena.

0101	Adil Hassam TuTh 2:00pm - 3:15pm	Seats (Total: 35) PHY 0405

PHYS769 **Seminar in Plasma Physics**

PHYS769 Seminar in Plasma Physics; (1 credit) Grade Method: REG/AUD. Class will meet in ERF 1207.

0101	Adil Hassam W 4:00pm - 5:15pm	Seats (Total: 35) PHY 1402

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Douglas Hamilton M 4:30pm - 5:45pm	Seats (Total: 20) PHY 1219

PHYS779A **Seminar in General Relativity; Seminar in Gravitational Physics**

PHYS779A Seminar in General Relativity: Seminar in Gravitational Physics; (1 credit) Grade Method: REG/AUD.

0101	Bei Lok Hu F 1:30pm - 2:45pm	Seats (Total: 15) PHY 4102

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Richard Ellis	Seats (Total: 160)
	Tu 4:00pm - 6:00pm	PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1 credit) Grade Method: REG/AUD.

0101	Edward Ott	Seats (Total: 10)
	Th 12:15pm - 1:45pm	ERF 1207

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	IPT 1116

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS832 **Theory of Solids I**

PHYS832 Theory of Solids I; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. Corequisite: PHYS 625. Advanced topics in the quantum theory of solids from such fields as band structure calculations, optical properties, phonons, neutron scattering, the dynamics of electrons in one-band theory, the Landau Fermi Liquid Theory, charged Fermi liquids, the Fermi surface (surface impedance, cyclotron resonance, the DeHaas-Van Alphen Effect, etc.).

0101	Michael Levin TuTh 2:00pm - 3:15pm	Seats (Total: 10) PHY 2202

PHYS838A **Special Topics in Experimental Solid State Physics; Current Topics in Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as CHPH 718A.

0101	Theodore Einstein M 12:00pm - 1:00pm F 4:00pm - 6:00pm	Seats (Total: 15) PHY 2202 PHY 2120

PHYS838C **Special Topics in Experimental Solid State Physics; Superconductivity, Quantum Materials and Nanoscience Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Superconductivity, Quantum Materials and Nanoscience Seminar; (2 credits) Grade Method: REG/AUD.

0101	Michael Fuhrer M 4:00pm - 6:00pm	Seats (Total: 50) PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics; Theory of Low Dimensional Systems**

PHYS839A Special Topics in Theoretical Solid State Physics: Theory of Low Dimensional Systems; (1 credit) Grade Method: REG/AUD.

0101	Sankar Das Sarma F 4:00pm - 7:00pm	Seats (Total: 20) PHY 1201

PHYS889N **Special Topics in Interdisciplinary Problems; Non-Equilibrium Quantum Field Theory**

PHYS889N Special Topics in Interdisciplinary Problems: Non-Equilibrium Quantum Field Theory; (3 credits) Grade Method: REG/AUD.

0101	Bei Lok Hu TuTh 11:00am - 12:15pm	Seats (Total: 20) PHY 1219

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Fall 2010

PLSC101 **Introductory Crop Science**

PLSC101 Introductory Crop Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Major crop plants including: anatomy, physiology, morphology, history, use, adaptation, culture, improvement and economic importance. Students must pay a $50.00 laboratory materials fee.

0101	Donald Glenn MWF 11:00am - 11:50am M 12:00pm - 1:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0102	Donald Glenn MWF 11:00am - 11:50am W 12:00pm - 1:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0103	Donald Glenn MWF 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0104	Donald Glenn MWF 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab

PLSC189I **Specialty Crops: Plantation Agriculture to Globalization**

PLSC189I Specialty Crops: Plantation Agriculture to Globalization; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Christopher Walsh MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) PLS 1130 PLS 1119	 Discussion
0102	Christopher Walsh MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 24) PLS 1130 PLS 1119	 Discussion
0103	Christopher Walsh MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 24) PLS 1130 PLS 1119	 Discussion

PLSC201 **Plant Structure and Function**

PLSC201 Plant Structure and Function; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC100 or PLSC101; and CHEM103 or CHEM131 and CHEM132. Not open to students who have completed NRSC201. Formerly NRSC201.* The relationship between plant structure and function and how the environment influences changes in the physiology to control higher plant growth and development are studied.

0101	Joseph Sullivan MWF 10:00am - 10:50am W 1:00pm - 3:50pm	Seats (Total: 15) PLS 1119 RGC 1111	 Lab
0102	Joseph Sullivan MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 15) PLS 1119 RGC 1111	 Lab

PLSC253 **Woody Plants for Mid-Atlantic Landscapes I**

PLSC253 Woody Plants for Mid-Atlantic Landscapes I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on native deciduous plant materials.

0101	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab
0103	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab

PLSC255 **Landscape Design and Implementation**

PLSC255 Landscape Design and Implementation; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC253 or PLSC254. Not open to students who have completed LARC141 and LARC341. Principles of landscape architecture applied to residential and commercial landscaping: informal and formal designs and plan graphics.

0101	Ann Anderson MW 5:00pm - 5:50pm MW 6:00pm - 7:50pm	Seats (Total: 20) PLS 0104 PLS 0104	 Lab

PLSC289H **Greening Cities: Who Wins, Who Loses, and Who Cares?**

PLSC289H Greening Cities: Who Wins, Who Loses, and Who Cares?; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination http://www.iseries.umd.edu/ Click here for more course information.

0101	Marla McIntosh MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) PLS 1130 PLS 1158	 Discussion

PLSC289I **Greening Cities: Who Wins, Who Loses, and Who Cares?**

PLSC289I Greening Cities: Who Wins, Who Loses, and Who Cares?; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.provost.umd.edu/GenEd2009/ Click here for more course information.

0101	Marla McIntosh MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) PLS 1130 PLS 1158	 Discussion
0102	Marla McIntosh MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 20) PLS 1130 PLS 1158	 Discussion

PLSC305 **Introduction to Turf Management**

PLSC305 Introduction to Turf Management; (3 credits) Grade Method: REG/P-F/AUD.
Principles of turf culture. Identification and uses of turfgrass species; turfgrass fertilization, cultivation, mowing and establishment; and the identification of turf pests.

0101	Mark Carroll Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 24) PLS 1119 PBR 1102	 Lab

PLSC361 **Commercial Principles of Landscape Management**

PLSC361 Commercial Principles of Landscape Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT220 or permission of department. Corequisite: PLSC100 or PLSC101. Recommended: LARC160. Credit will be granted for only one of the following: PLSC261 or PLSC361. Formerly PLSC261. Commercial management practices associated with the landscape build/design and maintenance industry are emphasized. Lectures focus on strategic planning, job cost management, bidding and estimating, marketing, and personnel management. Laboratories and field trips familiarize students with the landscape industry by interfacing with corporations and industry-related term projects. Students must pay a $30.00 laboratory materials fee.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1117	
	W 1:00pm - 3:50pm	PLS 1119	Lab

PLSC389 **Internship**

PLSC389 Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

0102	Steven Cohan	Seats (Total: 20)
	W 9:00am - 9:50am	PLS 1119

PLSC399 **Special Problems in Plant Science**

PLSC399 *(PermReq)* **Special Problems in Plant Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC402 **Sports Turf Management**

PLSC402 Sports Turf Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC305 and PLSC401. Sports turf management, including design, construction, soil modification, soil cultural techniques, pesticide use, fertilization, and specialized equipment.

0101	Thomas Turner	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PBR 1102	
	TuTh 11:00am - 12:15pm	PBR 1102	Lab

PLSC415 **Diseases of Trees and Shrubs**

PLSC415 Diseases of Trees and Shrubs; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC100, PLSC201, or permission of instructor. Credit will be granted for only one of the following: PLSC415 or PLSC489E. Formerly PLSC489E.* Diseases on woody plants commonly planted or native to Mid-Atlantic region. Biology, identification and management of important plant pathogens.

0101	Yilmaz Balci M 9:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 25) PLS 1115 PLS 1153	 Lab

PLSC420 **Principles of Plant Pathology**

PLSC420 Principles of Plant Pathology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM104 or CHEM105 or CHEM113 or CHEM271 and CHEM272; and PLSC201 or equivalent. Not open to students who have completed NRSC410. Formerly NRSC410.* An introduction to the causal agents, nature and management of plant diseases with particular attention paid to economically important diseases of horticultural and agronomic crops.

0101	Yilmaz Balci TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 20) PLS 1119 PLS 1153	 Lab
0102	Yilmaz Balci TuTh 9:30am - 10:45am Th 11:00am - 1:50pm	Seats (Total: 20) PLS 1119 PLS 1153	 Lab

PLSC453 **Weed Science**

PLSC453 Weed Science; (3 credits) Grade Method: REG/P-F/AUD.
Weed identification, ecology, and control (cultural, mechanical, biological, and chemical methods).

0101	Donald Glenn TuTh 12:30pm - 1:45pm Tu 2:00pm - 3:50pm	Seats (Total: 50) HJP 1104 HJP 1104	 Lab

PLSC474 **Physiology of Maturation and Storage of Horticultural Crops**

PLSC474 Physiology of Maturation and Storage of Horticultural Crops; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI442. The physiological and biochemical changes occurring during storage of horticultural commodities. Application of scientific principles to handling and storage of fresh produce.

0101	Christopher Walsh	Seats (Total: 10)	
	F 11:00am - 12:50pm	PLS 1158	
	F 1:00pm - 3:50pm	PLS 0123	Lab

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489D **Special Topics in Plant Science; Low Maintenance Plant Design**

PLSC489D Special Topics in Plant Science: Low Maintenance Plant Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489G **Special Topics in Plant Science; Communicatons in the Green Industry**

PLSC489G Special Topics in Plant Science: Comm in Green Industry; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 12)
	Contact instructor or department for details.	

PLSC489J **Special Topics in Plant Science; Exploring Plant Protection, Health, and Quarantine Issues**

PLSC489J Special Topics in Plant Science: Exploring Plant Protection, Health, and Quarantine Issues; (1 credit) Grade Method: REG/P-F/AUD.
Plant health areas such as research, risk management and international trade will be explored. Leading world experts will lecture on regulatory plant health and, by involving students in case studies, give entry to the world of agribusiness and plant biosecurity. Click here for more course information.

0101	Arvydas Grybauskas	Seats (Total: 35)
	W 11:00am - 11:50am	PLS 1119

PLSC489P **Special Topics in Plant Science; Pro Golf Turf**

PLSC489P *(PermReq)* **Special Topics in Plant Science: Pro Golf Turf; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Carroll	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489R **Special Topics in Plant Science; Introduction to Sustainable Agriculture**

PLSC489R Special Topics in Plant Science: Introduction to Sustainable Agriculture; (3 credits) Grade Method: REG/P-F/AUD.
Learn about the sustainability of our agricultural system, the practice of sustainable agriculture, how it can be incorporated into our landscapes and our lives, and the benefits it can provide to society. A practical approach is taken to connect students with sources of their food while addressing issues of land management, genetic diversity, social and economic impacts, and food security.

0101	Brian Hughes	Seats (Total: 24)
	W 6:00pm - 8:30pm	JUL 1123

PLSC601 **Plant Genomics**

PLSC601 Plant Genomics; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed AGRO601. Credit will be granted for only one of the following: AGRO601, NRSC601, or PLSC601. Formerly NRSC601. An advanced course in plant genomics which is the study of genes of plant chromosomes. It will cover current topics in gene mapping, molecular markers, QTLs, gene sequencing, and genetic engineering with special focus on agriculturally important traits.

0101	Jose Costa, Jianhua Zhu	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1172

PLSC608 **Research Methods**

PLSC608 *(PermReq)* **Research Methods; (2 credits)** Grade Method: REG/AUD. Prerequisite: permission of department. Repeatable to 6 credits if content differs. Credit will be granted for only one of the following: AGRO608, NRSC608, or PLSC608. Formerly NRSC608.

0101	Gary Coleman	Seats (Total: 35)
	Tu 3:30pm - 5:20pm	PLS 1117

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T Research Methods: Supervised Teaching; (2 credits) Grade Method: REG/AUD.

0101	Marla McIntosh	Seats (Total: 5)
	Contact instructor or department for details.	
2001	Donald Glenn	Seats (Total: 1)
	Contact instructor or department for details.	

PLSC689C **Special Topics; Conservation Biology**

PLSC689C Special Topics: Conservation Biology; (1 credit) Grade Method: REG/AUD.

0101	Maile Neel	Seats (Total: 8)
	TBA	PLS 1144

PLSC689P **Special Topics; Plants and Microclimate - Measuring and Modeling Environmental Variables**

PLSC689P Special Topics: Plants and Microclimate - Measuring and Modeling Environmental Variables; (2 credits) Grade Method: REG/AUD.
One 2-hour class discussion per week, TBA. The theory, measurement and modeling of the major environmental variables involved in plant growth and function. Emphasis will be placed on quantifying in the spatial and temporal variation of water, temperature, carbon and radiation fluxes with root and aerial environments.

0101	John Lea-Cox	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC789A **Advances in Research; Fungi**

PLSC789A Advances in Research: Fungi; (1 credit) Grade Method: REG/AUD.

0101	Priscila Chaverri	Seats (Total: 10)
	Contact instructor or department for details.	

PLSC798 **Graduate Seminar**

PLSC798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gary Coleman	Seats (Total: 40)
	M 4:00pm - 4:50pm	PLS 1140

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Fall 2010

PORT104 **Intensive Elementary Portuguese**

PORT104 Intensive Elementary Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed PORT101. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Regina Igel	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3219
	W 11:00am - 11:50am	ASY 3215

PORT205 **Intermediate Reading and Conversation**

PORT205 Intermediate Reading and Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: PORT204 or permission of department. Development of spoken Portuguese at intermediate level based on written assignments and exams on readings in a variety of genres.

0101	Regina Igel	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ASY 3221

PORT234 **Issues in Latin American Studies I**

PORT234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and LASC234. Credit will be granted for only one of the following: PORT234 or SPAN234 or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0101
0201	Daryle Williams TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0103

PORT386 **Experiential Learning**

PORT386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department. Junior standing.*

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 Independent Study in Portuguese; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Fall 2010

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for sample course syllabus.

0110	Kevin Murnane TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0111	Kevin Murnane TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0112	Kevin Murnane TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0113	Kevin Murnane TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0114	Kevin Murnane TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0115	Kevin Murnane TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0116	Kevin Murnane TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0117	Kevin Murnane TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0118	Kevin Murnane TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0119	Kevin Murnane TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion

0121	Kevin Murnane TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0122	Kevin Murnane TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0123	Kevin Murnane TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0124	Kevin Murnane TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0125	Kevin Murnane TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0129	Kevin Murnane TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0136	Kevin Murnane TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0220	Barry Smith TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0222	Barry Smith TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0225	Barry Smith TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion

0226	Barry Smith TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0231	Barry Smith TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 PLS 1146	Discussion
0233	Barry Smith TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0235	Barry Smith TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0236	Barry Smith TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0238	Barry Smith TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0239	Barry Smith TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0240	Barry Smith TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0241	Barry Smith TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0245	Barry Smith TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1243	Discussion

0331	Thomas Capo TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0332	Thomas Capo TuTh 3:30pm - 4:45pm Tu 12:30pm - 1:20pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0333	Thomas Capo TuTh 3:30pm - 4:45pm Tu 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0335	Thomas Capo TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0336	Thomas Capo TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0337	Thomas Capo TuTh 3:30pm - 4:45pm M 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0338	Thomas Capo TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 25) BRB 1101 WDS 1114	Discussion
0342	Thomas Capo TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion
0343	Thomas Capo TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
FC01	Scott Roberts MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 41) BPS 0283	

FC02	Scott Roberts MW 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 41) BPS 0283	

PSYC100H **Introduction to Psychology**

PSYC100H Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Open to Honors students only. Click here for sample course syllabus.

0101	John Jackson TuTh 9:30am - 10:45am	Seats (Total: 24) BPS 0283	
0201	Thomas Capo TuTh 2:00pm - 3:15pm	Seats (Total: 24) BPS 1124	

PSYC100S **Introduction to Psychology**

PSYC100S Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to College Park Scholars- Media, Self and Society. Click here for sample course syllabus.

0221	Barry Smith TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 10) BRB 1101 BPS 1228	 Discussion

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (MATH111 or MATH140 or MATH220) with a C (2.0) or higher. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to Psychology and Biology majors. All others require permission. Permission must be obtained in BPS 1107. Click here for sample course syllabus.

0101	Tracy Tomlinson TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 28) BPS 1250 BPS 1232	 Discussion
0102	Tracy Tomlinson TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 28) BPS 1250 BPS 1236	 Discussion
0103	Tracy Tomlinson TuTh 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 28) BPS 1250 BPS 0283	 Discussion
0104	Tracy Tomlinson TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 28) BPS 1250 PLS 1146	 Discussion
0105	Tracy Tomlinson TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 28) BPS 1250 BPS 1236	 Discussion
0201	Tracy Tomlinson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 28) BPS 1250 BPS 1236	 Discussion
0202	Tracy Tomlinson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 28) BPS 1250 BPS 1124	 Discussion
0203	Tracy Tomlinson TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 28) BPS 1250 BPS 1228	 Discussion
0204	Tracy Tomlinson TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 28) BPS 1250 BPS 1232	 Discussion
0205	Tracy Tomlinson TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 28) BPS 1250 PLS 1113	 Discussion

0301	Juliet Aiken MW 4:00pm - 5:40pm	Seats (Total: 29) BPS 1124

PSYC221 **Social Psychology**

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for sample course syllabus.

0101	Ryan Curtis MWF 1:00pm - 1:50pm	Seats (Total: 150) BPS 1250
0201	Ryan Curtis MWF 2:00pm - 2:50pm	Seats (Total: 150) BPS 1250

PSYC289I **The Biological Basis of Mental Disorders**

PSYC289I The Biological Basis of Mental Disorders; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Steven Brauth TuTh 11:00am - 12:15pm	Seats (Total: 80) TWS 1100

PSYC300 **Research Methods in Psychology**

PSYC300 Research Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and PSYC200. For PSYC majors only. Credit will be granted for only one of the following: PSYC300 or PSYC309R. Formerly PSYC309R. A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field. For PSYC majors only.

0101	Charles Stangor MW 1:00pm - 1:50pm W 2:00pm - 4:00pm	Seats (Total: 16) TWS 1100 BPS 1103	Discussion
0102	Charles Stangor MW 1:00pm - 1:50pm Th 10:00am - 12:00pm	Seats (Total: 16) TWS 1100 EDU 0202	Discussion
0103	Charles Stangor MW 1:00pm - 1:50pm Th 2:00pm - 4:00pm	Seats (Total: 16) TWS 1100 JMZ 3205	Discussion
0104	Charles Stangor MW 1:00pm - 1:50pm F 10:00am - 12:00pm	Seats (Total: 16) TWS 1100 KEY 0107	Discussion
0105	Charles Stangor MW 1:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 16) TWS 1100 BPS 1103	Discussion
0106	Charles Stangor MW 1:00pm - 1:50pm Th 2:00pm - 4:00pm	Seats (Total: 16) TWS 1100 LEF 1222	Discussion

PSYC301 **Biological Basis of Behavior**

PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105 and PSYC100.* An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Frank Hall MW 5:00pm - 6:15pm	Seats (Total: 154) BPS 1250	

PSYC309A **Special Topics in Psychology; Get to Know Your Faculty Series**

PSYC309A Special Topics in Psychology: Get to Know Your Faculty Series; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to PSYC majors (20010).

0101	Marcia Marinelli Tu 5:00pm - 6:15pm	Seats (Total: 30) BPS 1142

PSYC309B **Special Topics in Psychology; Abnormal Child Psychology**

PSYC309B Special Topics in Psychology: Abnormal Child Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to PSYC majors (20010).

0101	Kelly O'Brien, Andrea Chronis-Tuscano TuTh 9:30am - 10:45am	Seats (Total: 75) BRB 1101

PSYC309C **Special Topics in Psychology; Major Transitions**

PSYC309C Special Topics in Psychology: Major Transitions; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to PSYC majors (20010). Click here for more course information.

0101	Tsz-Yeung Chui, Lori Kader W 10:00am - 11:50am	Seats (Total: 20) BPS 1124

PSYC309K **Special Topics in Psychology; Forensic Psychology**

PSYC309K Special Topics in Psychology: Forensic Psychology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tracy Tomlinson TuTh 2:00pm - 3:15pm	Seats (Total: 30) BPS 1232
SG91	Robin Shusko MW 11:00am - 12:15pm *This section meets at Universities at Shady Grove.*	Seats (Total: 40) BLD3 4215

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC309M **Special Topics in Psychology; Cognitive Psychology**
Contact department for information to register for this course.

PSYC310 **Perception**

0101	Instructor: TBA TuTh 4:00pm - 5:15pm	Seats (Total: 45) EGR 0309

PSYC318D **Community Interventions: Theory and Research; Domestic Violence**

PSYC318D Community Interventions: Theory and Research: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498X. Prerequisite: PSYC100.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 35) BPS 1124

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Ryan Curtis TuTh 2:00pm - 3:15pm	Seats (Total: 144) BPS 1250

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as WMST336. Credit will be granted for only one of the following: PSYC336 or WMST336. A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Nazish Salahuddin MW 3:30pm - 4:45pm	Seats (Total: 110) BPS 1243
0201	Nazish Salahuddin TuTh 11:00am - 12:15pm	Seats (Total: 110) BPS 1243

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Kevin Murnane TuTh 12:30pm - 1:45pm	Seats (Total: 110) BPS 1243

PSYC353 **Adult Psychopathology**

PSYC353 Adult Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and PSYC200. For PSYC majors only. The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Patricia Spangler TuTh 5:00pm - 6:15pm	Seats (Total: 288) BRB 1101

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for sample course syllabus.

0101	Susan Lee TuTh 12:30pm - 1:45pm	Seats (Total: 154) HJP 0226

PSYC355 **Developmental Psychology**

PSYC355 Developmental Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Patricia Spangler MW 3:00pm - 4:15pm	Seats (Total: 148) BPS 1250

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization), organizational psychology (motivation, leadership, job attitudes), and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Judith Gebhardt MW 2:00pm - 3:15pm	Seats (Total: 111) BPS 1243

PSYC362 **Introduction to Negotiation**

PSYC362 Introduction to Negotiation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100. Restricted to PSYC majors during preregistration. Credit will be granted for only one of the following: PSYC309F or PSYC362. Formerly PSYC309F.* Overview of the field of negotiation and the social-psychological and contextual factors that facilitate and inhibit successful negotiation agreements. Students will engage in a variety of negotiation exercises individually and as a team.

0101	Ryan Fehr	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	BPS 1228

PSYC386 **Experiential Learning**

PSYC386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Prerequisite: permission of department. Junior standing.* Click here for more course information.

0101	Marcia Marinelli	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC206 or PSYC301. Priority is given to PSYC majors. Credit will be granted for only one of the following: PSYC402.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

0101	Steven Brauth	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	BPS 1124

PSYC403 **Animal Behavior**

PSYC403 Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC206 or PSYC301.* Reviews the theoretical framework underlying the study of animal behavior. The genetic, hormonal and physiological basis of behavior, and the relation to ecological and evolutionary processes will be discussed using examples that range from invertebrate animals to humans. Restricted to PSYC majors (20010). Click here for sample course syllabus.

0101	Jens Herberholz TuTh 2:00pm - 3:15pm	Seats (Total: 36) BPS 0283	

PSYC407 **Behavioral Neurobiology Laboratory**

PSYC407 *(PermReq)* **Behavioral Neurobiology Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100, PSYC300, PSYC301, BSCI105 and a minimum of 85 credit hours completed. For PSYC majors only. Laboratory exercises introducing concepts and techniques of behavioral neurobiology. Activities emphasize design of neurobiology experiments, hands-on experience with behavioral and neurobiological techniques, data collection, and analysis of the results. Most exercises use living animals. Permission required (contact professor, ddyager@umd.edu) Click here for sample course syllabus.

0101	David Yager MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 *(PermReq)* **Topics in Neurosciences Seminar; (1 credit)** Grade Method: S-F.
For students in the neuroscience minor. Click here for sample course syllabus.

0101	Cynthia Moss M 1:00pm - 1:50pm	Seats (Total: 18) BPS 1142	

PSYC420 **Experimental Psychology: Social Processes I**

PSYC420 Experimental Psychology: Social Processes I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC221; PSYC300; and a minimum of 85 credit hours completed. For PSYC majors only. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Steven Buzinski MW 1:00pm - 1:50pm Th 10:00am - 12:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0102	Steven Buzinski MW 1:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0103	Steven Buzinski MW 1:00pm - 1:50pm Th 2:00pm - 4:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0104	Steven Buzinski MW 1:00pm - 1:50pm F 10:00am - 12:00pm	Seats (Total: 15) MCB 1207 BPS 1103	 Lab
0201	Catalina Kopetz MW 2:00pm - 2:50pm F 10:00am - 11:50am	Seats (Total: 15) PLS 1140 BPS 1112	 Lab
0202	Catalina Kopetz MW 2:00pm - 2:50pm W 12:00pm - 1:50pm	Seats (Total: 15) PLS 1140 BPS 1236	 Lab
0203	Catalina Kopetz MW 2:00pm - 2:50pm Tu 2:00pm - 4:00pm	Seats (Total: 15) PLS 1140 BPS 1234	 Lab
0204	Catalina Kopetz MW 2:00pm - 2:50pm F 12:00pm - 2:00pm	Seats (Total: 15) PLS 1140 BPS 1112	 Lab

PSYC424 Communication and Persuasion

PSYC424 Communication and Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC221. Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Steven Buzinski TuTh 9:30am - 10:45am	Seats (Total: 36) BPS 1238

PSYC432 **Introduction to Counseling Psychology**

PSYC432 Introduction to Counseling Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine hours in psychology including PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Nazish Salahuddin MW 2:00pm - 3:15pm	Seats (Total: 36) BPS 0283
0201	Nazish Salahuddin TuTh 8:00am - 9:15am	Seats (Total: 36) BPS 0283

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC300; and (PSYC235 or PSYC334 or PSYC353 or PSYC432 or PSYC434 or PSYC435 or PSYC436}; and a minimum of 85 credit hours completed. For PSYC majors only. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to undergraduate PSYC majors who have completed 85 credits. Click here for sample course syllabus.

0101	Erica Merson Tu 4:30pm - 6:30pm Th 4:30pm - 6:30pm	Seats (Total: 16) BPS 1238 BPS 1228	 Discussion
0102	Erica Merson Tu 4:30pm - 6:30pm Th 4:30pm - 6:30pm	Seats (Total: 16) BPS 1238 BPS 1236	 Discussion
0201	Ann Hummel M 4:00pm - 5:50pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1228 BPS 1232	 Discussion
0202	Ann Hummel M 4:00pm - 5:50pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1228 BPS 1228	 Discussion
0301	Sara Ericson W 4:00pm - 5:50pm M 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 BPS 1236	 Discussion
0302	Sara Ericson W 4:00pm - 5:50pm M 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 PLS 1111	 Discussion
0401	Maria Wydra W 9:00am - 10:50am F 9:00am - 11:00am	Seats (Total: 16) CHM 1228 BPS 1238	 Lab
0402	Maria Wydra W 9:00am - 10:50am F 9:00am - 11:00am	Seats (Total: 16) CHM 1228 BPS 1234	 Lab
0501	Jingqing Liu M 4:00pm - 5:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 0283 BPS 0283	 Discussion
0502	Jingqing Liu M 4:00pm - 5:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 0283 BPS 0283	 Discussion

PSYC435 Personality Theories

Contact department for information to register for this course.

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 or equivalent. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Andrea Leiman	Seats (Total: 58)
	W 10:00am - 12:50pm	SKN 0104

PSYC443 **Thinking and Problem Solving**

PSYC443 Thinking and Problem Solving; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC300; and PSYC341 or PSYC440; or permission of department. For PSYC majors only. Historical development, current theory and data, and research methods in problem solving. Formal problem solving theory and computer models of thinking and human problem-solving behavior. The uses of strategies to improve students' own thinking processes and problem-solving behavior. Restricted to PSYC majors. Click here for sample course syllabus.

SG91	Sonja Linn	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BLD3 3226
	This section meets at Universities at Shady Grove.	

PSYC444 **Cyberpsychology: The Psychology of Human/Computer Interactions**

PSYC444 Cyberpsychology: The Psychology of Human/Computer Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and an additional six credits in psychology. Credit will be granted for only one of the following: PSYC309E or PSYC444. Formerly PSYC309E. Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology.

0101	Kent Norman	Seats (Total: 35)
	MWF 11:00am - 11:50am	PLS 1129

PSYC445 **The Psychology of Video Games and Entertainment**

PSYC445 The Psychology of Video Games and Entertainment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and PSYC200. For PSYC majors; others by permission of department. Credit will be granted for only one of the following: PSYC309V or PSYC445. Formerly PSYC309V. An exploration of the diverse elements and theories in the psychology of video games and entertainment. The history and taxonomy of video games, cognitive and affective elements, virtual reality and social presence, video game violence, and educational and ethical issues will be covered.

0101	Kent Norman	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	PLS 1129

PSYC450 **Field Research in Organizational Psychology**

PSYC450 Field Research in Organizational Psychology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSCY300 and a minimum of 85 credit hours completed. Recommended: PSYC361. For PSYC majors only. Methods of field research applicable to organizational settings are examined, including field experiments and quasi-experiments, observation, interviewing, surveys, content analysis, and various forms of qualitative inquiry. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Gosia Langa	Seats (Total: 36)
	TuTh 4:30pm - 6:30pm	BPS 1124

PSYC456 **Research Methods in Developmental Psychology**

PSYC456 *(PermReq)* **Research Methods in Developmental Psychology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PSYC300 and (PSYC355 or PSYC356 or PSYC357). For PSYC majors only. A presentation of major research designs used in developmental psychology and of the methodology used in developmental research, such as observational research, program evaluation, and laboratory experimentation.

0101	Sarah Gerson	Seats (Total: 6)
	W 4:00pm - 6:30pm	BPS 1103

PSYC465 **Psychology of Organizational Processes**

PSYC465 Psychology of Organizational Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC361 or equivalent. Theories of interpersonal, intra- and inter-group relations, with emphasis on issues of conflict, competition, cooperation and the role of power in organizations. Organizational diagnosis and intervention.

0101	Cheri Ostroff	Seats (Total: 38)
	Tu 3:30pm - 6:30pm	BPS 0283

PSYC468H **Field Experience and Special Assignments in Honors**

PSYC468H *(PermReq)* **Field Experience and Special Assignments in Honors; (1-3 credits)** Grade Method: REG/AUD.
Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Thomas Wallsten	Seats (Total: 20)
	W 4:00pm - 4:50pm	BPS 1112

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC488H **Advanced Psychology I (Honors); The Seven Sins of Memory**

PSYC488H *(PermReq)* **Advanced Psychology I (Honors): The Seven Sins of Memory; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Dougherty	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ARM 0101

PSYC498H **Advanced Psychology II (Honors); Qualitative Research**

PSYC498H *(PermReq)* **Advanced Psychology II (Honors): Qualitative Research; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Clara Hill	Seats (Total: 15)
	Th 2:00pm - 5:00pm	BPS 1103
	Restricted to students in the PSYC Honors program; by permission of the department only.	

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite:permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC601 **Quantitative Methods I**

PSYC601 Quantitative Methods I; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 200 or equivalent. A basic course in quantitative/mathematical analysis and statistical methods in psychology with an emphasis on conceptual understanding. Topics include issues in measurement, probability theory, statistical inference and hypothesis testing, parameter estimation, bivariate regression, and correlation. For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

0101	Kevin O'Grady	Seats (Total: 20)	
	TuTh 9:00am - 10:50am	BPS 1124	
	Tu 4:30pm - 6:00pm	BPS 1234	Discussion

PSYC603 **Introduction to Industrial and Organizational Psychology**

PSYC603 *(PermReq)* **Introduction to Industrial and Organizational Psychology; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 603 or PSYC 730. Formerly PSYC730. Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

0102	Cheri Ostroff	Seats (Total: 20)
	M 1:20pm - 3:45pm	EGR 0309
	Restricted to students in the LEAD program.	

PSYC604 **Fundamentals of Social Psychology**

PSYC604 Fundamentals of Social Psychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 604 or PSYC 640. Formerly PSYC640. A survey of classic and contemporary theories, research and methods in social psychology.

0101	Charles Stangor	Seats (Total: 20)
	M 9:30am - 12:00pm	BPS 1142

PSYC612 **Theories of Personality**

PSYC612 *(PermReq)* **Theories of Personality; (3 credits)** Grade Method: REG/AUD.
Scientific requirements for a personality theory. Postulates and relevant research literature for several current personality theories.

0101	Barry Smith Tu 3:30pm - 6:00pm	Seats (Total: 20) BPS 1103

PSYC623 **Child Psychopathology**

PSYC623 Child Psychopathology; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. For PSYC majors only. Examines the scientific and clinical literature relevant to normal and pathological behavior in children and adolescents. Issues in developmental psychopathology and consideration of processes initiated in childhood which manifest as pathology in adulthood are also considered.

0101	Lea Dougherty W 9:30am - 12:30pm	Seats (Total: 10) BPS 1103

PSYC629 **Clinical Laboratory**

PSYC629 *(PermReq)* **Clinical Laboratory; (1-3 credits)** Grade Method: S-F.

0101	Andres De Los Reyes TBA	Seats (Total: 10) BPS 2114
0201	Shannon Couture TBA	Seats (Total: 10) BPS 2114
0301	Mary Byrne TBA	Seats (Total: 6) BPS 2114

PSYC638 **Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.

0101	Jack Blanchard Contact instructor or department for details.	Seats (Total: 20)

PSYC639 **Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology; (1 credit) Grade Method: S-F.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC643 **Ethical and Professional Issues in Clinical Psychology**

PSYC643 Ethical and Professional Issues in Clinical Psychology; (3 credits) Grade Method: REG.

Prerequisite: permission of instructor. For PSYC majors only. Credit will be granted for only one of the following: PSYC 643 or PSYC 719. Formerly PSYC719. An overview of the ethical and professional issues involved in psychological research, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary clinical/community interventions.

0101	Mary Byrne	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	BPS 2114B

PSYC644 **Basic Foundation of Clinical Interventions**

PSYC644 Basic Foundation of Clinical Interventions; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of instructor. For PSYC majors only. General introduction to behavior theory and the basic behavioral principles that underlie behavior therapy. Provides an introduction to the philosophical, theoretical and empirical contributions of basic behavior analysis as they relate to behavior therapy, including examples of how behavior therapy is disconnected from its roots.

0101	Carl Lejuez	Seats (Total: 10)
	W 1:00pm - 4:00pm	COL 2103

PSYC695 **Ethical and Professional Issues in Counseling Psychology**

PSYC695 *(PermReq)* **Ethical and Professional Issues in Counseling Psychology; (3 credits)** Grade Method: REG/AUD.
Only open to Counseling Psychology majors. Formerly: EDCP669 and EDCP688. Also offered as EDCP695. Credit will be granted for only one of the following: EDCP669, EDCP688, EDCP695, PSYC688 or PSYC695. Exploration of ethical and professional issues in Counseling Psychology.

0101	Jonathan Mohr M 9:00am - 12:00pm	Seats (Total: 15) BPS 1112

PSYC698 **Advanced Didactic-Practicum in Counseling Psychology**

PSYC698 *(PermReq)* **Advanced Didactic-Practicum in Counseling Psychology; (3 credits)** Grade Method: S-F.

0101	Charles Gelso W 1:00pm - 4:00pm	Seats (Total: 15) BPS 1112
0102	Clara Hill Contact instructor or department for details.	Seats (Total: 20)

PSYC700 **Theories and Strategies of Counseling Psychology**

PSYC700 *(PermReq)* **Theories and Strategies of Counseling Psychology; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: PSYC 700 or PSYC 711. Formerly PSYC711. Introduction to the professional field, examination of pertinent scientific and philosophical backgrounds, and survey of the major theories, principles, and training models in counseling. Correlated laboratory analogue experiences in dyadic and group interrelationships.

0101	Clara Hill M 1:00pm - 4:00pm	Seats (Total: 8) BPS 2145

PSYC738 **Seminar in Industrial/Organizational Psychology**

PSYC738 Seminar in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.

0101	Paul Hanges Tu 1:30pm - 4:00pm	Seats (Total: 10) BPS 1112

PSYC764 **Comparative Neuroanatomy**

PSYC764 Comparative Neuroanatomy; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of instructor.* Demonstrations and lectures on the gross, microscopic and ultrastructural morphology of the central nervous system of vertebrates.

0101	William Hodos TuTh 11:00am - 12:15pm	Seats (Total: 15) BPS 1142

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789D **Special Research Problems; Research Methods in Developmental Psychology**

PSYC789D *(PermReq)* **Special Research Problems: Research Methods in Developmental Psychology; (1-2 credits)** Grade Method: REG/AUD.

0101	Jude Cassidy TuTh 11:00am - 12:15pm	Seats (Total: 10) Location: TBA

PSYC798B **Graduate Seminar; The Teaching of Psychology**

PSYC798B Graduate Seminar: The Teaching of Psychology; (1 credit) Grade Method: REG/AUD.

0101	Marcia Marinelli M 2:00pm - 2:50pm	Seats (Total: 10) BPS 1112

PSYC798L **Graduate Seminar; The Biopsychology of Aggression**

PSYC798L Graduate Seminar: The Biopsychology of Aggression; (3 credits) Grade Method: REG/AUD.

0101	Jens Herberholz W 9:00am - 11:30am	Seats (Total: 10) BPS 1112

PSYC798M **Graduate Seminar; The Seven Sins of Memory**

PSYC798M Graduate Seminar: The Seven Sins of Memory; (3 credits) Grade Method: REG/AUD.

0101	Michael Dougherty TuTh 3:30pm - 4:45pm	Seats (Total: 20) ARM 0101

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC819D **Seminar in Personality and Development; Attachment Seminar**

PSYC819D Seminar in Personality and Development: Attachment Seminar; (3 credits) Grade Method: REG/AUD.

0101	Jude Cassidy Th 2:00pm - 4:30pm	Seats (Total: 12) Location: TBA

PSYC888A **Research Methods in Psychology; Developmental Seminar**

PSYC888A Research Methods in Psychology: Developmental Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Tracy Riggins M 1:00pm - 2:15pm	Seats (Total: 10) BPS 2145

PSYC888B **Research Methods in Psychology; Cross Culturism**

PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology; Consultation**

PSYC888C Research Methods in Psychology: Consultation; (1-3 credits) Grade Method: REG/AUD.
Psychology 601 and 602, at a minimum, and permission of instructor. Supe rvised experience in providing consultation to faculty and graduate stud ents in the design and analysis of plannned and ongoing research project s. May be repeated for credit.

0101	Kevin O'Grady	Seats (Total: 10)
	TBA	BPS 1145D

PSYC889 **Research Methods in Psychology**

PSYC889 Research Methods in Psychology; (1 credit) Grade Method: REG/AUD.

0101	Cheri Ostroff	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Michael Dougherty	Seats (Total: 10)
	F 9:00am - 9:50am	BPS 1140

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Fall 2010

PUAF201 **Leadership for the Common Good**

PUAF201 Leadership for the Common Good; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Corequisite: CPSP118P. Restricted to College Park Scholars Public Leadership. Freshman standing. This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership.

0101	David Crocker	Seats (Total: 25)	
	TuTh 9:30am - 10:45am W 10:00am - 10:50am	CCC 1100 CCC 1100	Discussion
0102	David Crocker	Seats (Total: 25)	
	TuTh 9:30am - 10:45am W 11:00am - 11:50am	CCC 1100 CCC 1100	Discussion
0103	David Crocker	Seats (Total: 25)	
	TuTh 9:30am - 10:45am F 10:00am - 10:50am	CCC 1100 CCC 1100	Discussion

PUAF302 **Leadership: Philosophy, Policy and Praxis**

PUAF302 *(PermReq)* **Leadership: Philosophy, Policy and Praxis; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to members of the Rawlings Undergraduate Leadership Fellows Program. Prerequisite: PUAF202. Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry.

0101	Nina Harris W 4:15pm - 6:45pm Contact instructor or department for details.	Seats (Total: 25) TLF 1126

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.
Also offered as BSOS349.

0101	Nina Harris Contact instructor or department for details.	Seats (Total: 5)

PUAF359C **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359C.

0101	Gerard Evans M 2:00pm - 4:35pm	Seats (Total: 105) CSS 2324

PUAF359I **Contemporary Issues in Political Leadership and Participation; The Art and Science of Philanthropy**

PUAF359I Contemporary Issues in Political Leadership and Participation: The Art and Science of Philanthropy; (3 credits) Grade Method: REG/P-F/AUD.
THIS COURSE IS RESTRICTED TO STUDENTS IN THE COLLEGE PARK SCHOLARS PUBLIC LEADERSHIP PROGRAM. This course defines philanthropy as an exploration of how one develops a vision of the social good and then deploys resources (including donations, volunteers, and voluntary associations) to achieve an impact. During the semester, we go through the challenging and exciting process of setting up and running a fund that gives away actual money.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination
http://www.iseries.umd.edu/ Click here for more course information.

0101	Robert Grimm TuTh 2:00pm - 3:15pm	Seats (Total: 80) JMZ 0105

PUAF359W **Contemporary Issues in Political Leadership and Participation; Women and Politics**

PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359W.

0101	Frances Glendening	Seats (Total: 25)
	W 4:15pm - 6:45pm	TLF 0101

PUAF388 **Special Topics in Public Policy**

PUAF388 *(PermReq)* **Special Topics in Public Policy; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF388I **Special Topics in Public Policy; Intelligence as National Security Instrument: The US Experience**

PUAF388I Special Topics in Public Policy: Intelligence as National Security Instrument: The US Experience; (3 credits) Grade Method: REG/P-F/AUD.

0101	Stephen Voth	Seats (Total: 25)
	Th 2:00pm - 4:30pm	MMH 3418

PUAF396 **Fellowship Program in Political Leadership**

PUAF396 *(PermReq)* **Fellowship Program in Political Leadership; (2-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department and acceptance of full-time fellowship program. Credit will be granted for only one of the following: BSOS396 or PUAF396. Formerly BSOS396. Individual instruction course. Also offered as BSOS396.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Anton Syromyatin, Amir Farmanesh M 1:30pm - 4:00pm F 1:30pm - 4:00pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0201	Amir Farmanesh, Anton Syromyatin M 7:00pm - 9:30pm W 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 PKT 1224	 Discussion
0301	Amir Farmanesh, Anton Syromyatin W 4:15pm - 6:45pm M 1:30pm - 4:15pm	Seats (Total: 25) VMH 1207 VMH 1203	 Discussion
0401	Amir Farmanesh, Anton Syromyatin Tu 9:15am - 11:45am M 9:15am - 11:45am	Seats (Total: 25) VMH 1207 VMH 1203	 Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Seth Weissman M 7:00pm - 9:30pm Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1203	 Discussion

0201	Seth Weissman W 7:00pm - 9:30pm Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207 Location: TBA	Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Christopher Foreman Th 4:15pm - 6:45pm	Seats (Total: 29) VMH 1203
0201	Allen Schick TuTh 10:40am - 11:55am	Seats (Total: 29) VMH 1203
0301	Christopher Foreman Th 9:15am - 11:45am	Seats (Total: 29) VMH 1207
0401	Allen Schick TuTh 9:15am - 10:30am	Seats (Total: 29) VMH 1203
0501	David Falk W 9:15am - 11:45am	Seats (Total: 20) VMH 1207

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Michael Busse Th 1:30pm - 4:00pm Tu 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0201	Ioana Petrescu Tu 1:30pm - 4:00pm W 1:30pm - 4:00pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0301	Michael Busse Th 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0401	Ioana Petrescu Tu 4:15pm - 6:45pm W 1:30pm - 4:00pm	Seats (Total: 22) VMH 1107 VMH 1207	 Discussion
0501	Ioana Petrescu F 9:15am - 11:45am Contact instructor or department for details.	Seats (Total: 25) VMH 1203	

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie Tu 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1107	Discussion
0201	William Helkie W 7:00pm - 9:30pm M 9:15am - 11:45am	Seats (Total: 20) VMH 1203 VMH 1207	Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Mark Adamshick Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1107	
0201	Thomas Hilde Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107	
0301	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203	
0401	Robert Wachbroit W 9:15am - 11:45am	Seats (Total: 20) VMH 1107	
0501	Robert Sprinkle Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203	
0601	Daniel Levine Th 9:15am - 11:45am	Seats (Total: 20) VMH 1107	
0701	Robert Wachbroit F 9:15am - 11:45am	Seats (Total: 20) VMH 1107	

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices. Prerequisites PUAF 610 and 640.

0101	Russell Morris	Seats (Total: 20)
	W 4:15pm - 6:45pm	VMH 1203

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**

PUAF692 Leadership Principles and Practices; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

0101	Judy Brown	Seats (Total: 22)
	F 9:15am - 3:45pm	Location: TBA
	Class meets on Oct 1, 15, 22; Nov 12, 19; and Dec 3, 10.	

PUAF698A **Selected Topics in Public Affairs; Growth Managment: Land Use, Enviromental and Community Planning**
Contact department for information to register for this course.

PUAF698B **Selected Topics in Public Affairs; Restoration of the Chesapeake Bay**

PUAF698B Selected Topics in Public Affairs: Restoration of the Chesapeake Bay; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Gerald Winegrad	Seats (Total: 20)
	M 4:15pm - 6:50pm	VMH 2101F

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

Contact department for information to register for this course.

PUAF698D **Selected Topics in Public Affairs; Urban Policy: Immigration, Race and Social Policy in Metropolitan America**

PUAF698D Selected Topics in Public Affairs: Urban Policy: Immigration, Race and Social Policy in Metropolitan America; (1-3 credits) Grade Method: REG/AUD.

0101	Stephan Thernstrom	Seats (Total: 22)
	W 1:30pm - 4:00pm	VMH 1107

PUAF698E **Selected Topics in Public Affairs; Proseminar in Politics, Philosophy and Public Policy**

PUAF698E Selected Topics in Public Affairs: Proseminar in Politics, Philosophy and Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Also offered as PHIL688P.

0101	Karol Soltan	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	VMH 1107

PUAF698F **Selected Topics in Public Affairs; Trends in Counter Terrorism**
Contact department for information to register for this course.

PUAF698L **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698N **Selected Topics in Public Affairs; Intelligence and National Security**

PUAF698N Selected Topics in Public Affairs: Intelligence and National Security; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	William Nolte	Seats (Total: 20)
	Th 4:15pm - 6:45pm	VMH 1207

PUAF698P **Selected Topics in Public Affairs; Information Policy**
Contact department for information to register for this course.

PUAF698Q **Selected Topics in Public Affairs; Democracy and Democratization**

PUAF698Q Selected Topics in Public Affairs: Democracy and Democratization; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	David Crocker	Seats (Total: 20)
	Th 1:30pm - 4:00pm	VMH 1101

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**
Contact department for information to register for this course.

PUAF698V **Selected Topics in Public Affairs; Managing Social Services**

PUAF698V Selected Topics in Public Affairs: Managing Social Services; (3 credits) Grade Method: REG.
For PUAF majors only or permission of department.

0101	Charles Short	Seats (Total: 24)
	W 4:15pm - 6:45pm	VMH 2101F

PUAF698X **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698Z **Selected Topics in Public Affairs; Trends in Counter Terrorism**
Contact department for information to register for this course.

PUAF699 **Selected Topics Public Policy; Motivation and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699A **Selected Topics Public Policy; Asset Management II**
Contact department for information to register for this course.

PUAF699B **Selected Topics Public Policy; Local Governance and Land Use Planning**
Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organizations**
Contact department for information to register for this course.

PUAF699J **Selected Topics Public Policy; Pathways to Development**

PUAF699J Selected Topics Public Policy: Pathways to Development; (3 credits)
Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Allen Schick	Seats (Total: 22)
	Tu 4:15pm - 6:45pm	VMH 1207

PUAF699M **Selected Topics Public Policy; acquisitions In National Security**
Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**
Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking and Analytic Methodology**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**
Contact department for information to register for this course.

PUAF699W **Selected Topics Public Policy; Motivations and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699X **Selected Topics Public Policy; Organizational Behavior**
Contact department for information to register for this course.

PUAF700 **U.S. Trade: Policy and Politics**

PUAF700 U.S. Trade: Policy and Politics; (3 credits) Grade Method: REG/AUD. *Prerequisites: {PUAF 620; and PUAF 640; and PUAF 641}. For PUAF majors only or permission of department.* Interplay between government and private interests in shaping official actions that affect international trade. Policy tools available to influence balance, magnitude, and composition of imports and exports. Evolution of executive, congressional and quasi-judicial government institutions under increased U.S. international trade exposure and trade deficit.

0101	I M Mac Destler	Seats (Total: 22)
	Tu 1:30pm - 4:00pm	VMH 1101

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
For JOUR majors only. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Jacques Gansler M 4:15pm - 6:50pm	Seats (Total: 20) VMH 1107
0201	Kenneth Apfel M 1:30pm - 4:05pm	Seats (Total: 18) VMH 1107
0301	Elizabeth Duke Tu 1:30pm - 4:00pm	Seats (Total: 22) Location: TBA

PUAF712 **Analysis of Fiscal Conditions**

PUAF712 Analysis of Fiscal Conditions; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.

0101	Marita Brown Tu 4:15pm - 6:45pm	Seats (Total: 20) VMH 2101F

PUAF715 **Government and Non-Profit Accounting**
Contact department for information to register for this course.

PUAF716 **State and Local Government Budgeting**

PUAF716 State and Local Government Budgeting; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. State and local government practices as a laboratory for studying public sector financial management.

0101	Marita Brown W 7:00pm - 9:30pm	Seats (Total: 20) VMH 2101F

PUAF717 **Federal Budgeting: Policy and Process**
Contact department for information to register for this course.

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: For PUAF majors only or permission of department. Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	John Steinbruner Tu 4:15pm - 6:45pm	Seats (Total: 20) PKT 1224

PUAF722 **Terrorism and Democracy**
Contact department for information to register for this course.

PUAF724 **Problems of Global Security**
Contact department for information to register for this course.

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only. Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Kenneth Apfel	Seats (Total: 18)
	Tu 4:15pm - 6:45pm	VMH 1101

PUAF735 **Health Policy**

PUAF735 Health Policy; (3 credits) Grade Method: REG/AUD.
Analyzes the origins, history, status, and future of health care as problems in political and economic theory and as puzzles in policy formation. Considers current American reform controversies in the light of several disciplines and in comparison to foreign experiences and structures.

0101	Jack Meyer	Seats (Total: 24)
	Th 7:00pm - 9:30pm	VMH 1101

PUAF737 **Strategies of Equality**

PUAF737 Strategies of Equality; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Formerly PUAF698Y.
Concentrates on the institutional and political means by which disadvantaged segments of the United States population have sought to enhance their social, economic and political prospects. Race, gender and disability are the substantive focal points, with considerable attention given to the challanges of African American socio-political uplift. Also explores legislation, litigation, administration, agitation (i.e. protest), and constitutional reform. Students become familiar with alternative conceptions of equality and the modes of argument employed in different institutional and political contexts.

0101	Christopher Foreman	Seats (Total: 22)
	M 4:15pm - 6:45pm	VMH 1101

PUAF741 **Global Environmental Problems**

PUAF741 Global Environmental Problems; (3 credits) Grade Method: REG/AUD. *For PUAF majors only or permission of department.* Suitability of analytic tools for examining global environmental problems, human overpopulation, land abuse, ozone depletion, climate change, acid rain, loss of biological diversity, the scarcity of food, fresh water, energy and nonfuel mineral resources, and health hazards of pollutants toxic metals and radiation.

0101	Nathan Hultman Tu 4:15pm - 6:45pm	Seats (Total: 40) VMH 1203

PUAF742 **Environmental Ethics**

PUAF742 Environmental Ethics; (3 credits) Grade Method: REG/AUD. *For PUAF majors only or permission of department.* Analyzes issues such as the relation between human beings and nature from the perspectives of the science, history, philosophy, and religion. Considers the bases for policies such as environmental regulation, public lands, and international conventions with respect to the environment.

0101	Thomas Hilde W 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF744 **Environment and Development**

PUAF744 Environment and Development; (3 credits) Grade Method: REG/AUD. Analyzes sustainable development and its conflicting interpretations. The dominant view, as expressed in the World Bank's 1992 World Development Report, is studied, along with some critical responses. Further readings on issues of population, consumption and development indicators.

0101	Thomas Hilde Th 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107

PUAF745 **Human Health and Environmental Policy**

PUAF745 Human Health and Environmental Policy; (3 credits) Grade Method: REG/AUD.
Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

0101	Robert Sprinkle	Seats (Total: 31)
	Tu 1:30pm - 4:00pm	VMH 1203

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

PUAF752 Managing Differences:Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	M 4:15pm - 6:50pm	VMH 1203

PUAF753 **Advanced Negotiations**

PUAF753 Advanced Negotiations; (3 credits) Grade Method: REG/AUD.
Prerequisite: PUAF752. Credit will be granted for only one of the following: PUAF698C or PUAF753. Formerly PUAF698C. Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

CA01	Charles Field	Seats (Total: 30)
	Meets September 13, 2010 - December 16, 2010	
	Th 4:00pm - 7:00pm	Location: TBA

PUAF770 **Seminar in Housing and Community Development Strategies**
Contact department for information to register for this course.

PUAF771 **Housing and Community Development Overview**
Contact department for information to register for this course.

PUAF772 **Housing Finance**
Contact department for information to register for this course.

PUAF773 **Housing Clinic**
Contact department for information to register for this course.

PUAF774 **Asset Management**
Contact department for information to register for this course.

PUAF780 **The American Foreign Policy-Making Process**

PUAF780 The American Foreign Policy-Making Process; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0101	I M Mac Destler	Seats (Total: 20)	
	M 9:15am - 11:45am	VMH 1107	

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Stephen Voth	Seats (Total: 20)	
	M 4:15pm - 6:45pm	VMH 1207	
	W 7:00pm - 9:30pm	VMH 1107	Discussion

0201	Soumya Chattopadhyay W 4:15pm - 6:45pm W 7:00pm - 9:30pm	Seats (Total: 22) Location: TBA VMH 1101	Discussion

PUAF790 **Project Course**
Contact department for information to register for this course.

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798D **Readings in Public Policy; Defense Policy**

PUAF798D Readings in Public Policy: Defense Policy; (3 credits) Grade Method: REG/AUD.

0101	Michael Fitzsimmons Tu 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107

PUAF798F **Readings in Public Policy; Environmental Finance Strategies and Solutions**

PUAF798F Readings in Public Policy: Environmental Finance Strategies and Solutions; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

RB01	Frances Dubrowski W 5:30pm - 8:00pm *This course meets at EPAs Ariel Rios Bldg in Washington, DC.*	Seats (Total: 10) Location: TBA

PUAF798J **Readings in Public Policy; Contemporary Water Resources Management**

PUAF798J Readings in Public Policy: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Also offered as ENCE688J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway M 5:00pm - 7:30pm	Seats (Total: 24) EGR 1108

PUAF798L **Readings in Public Policy; Environmental Law and Finance**

PUAF798L Readings in Public Policy: Environmental Law and Finance; (3 credits) Grade Method: REG/AUD.

RB01	Frances Dubrowski Tu 5:30pm - 8:00pm	Seats (Total: 12) Location: TBA
	This section meets at U.S. Environmental Protection Agency in the Ariel Rios Building in Washington, D.C.	

PUAF798M **Readings in Public Policy; Arms Control and Non-Proliferation Policy**

PUAF798M Readings in Public Policy: Arms Control and Non-Proliferation Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: PUAF720 or permission of instructor.

0101	Nancy Gallagher M 1:30pm - 4:00pm	Seats (Total: 15) VMH 2101F

PUAF798Q **Readings in Public Policy; Ethics of War and Conflict**

PUAF798Q Readings in Public Policy: Ethics of War and Conflict; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Daniel Levine W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF798X **Readings in Public Policy**
Contact department for information to register for this course.

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Fall 2010

RDEV630 **Fundamentals of Real Estate Development and Finance**

RDEV630 *(PermReq)* **Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG.
For RDEV majors or others with permission of department. Credit will be granted for only one of the following: RDEV630, RDEV688B, or URSP664. Formerly RDEV688B. An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Robert Rosenfeld	Seats (Total: 30)
	M 7:00pm - 9:40pm	ARC 1105

RDEV650 **Essentials of Design and Construction Management for Development Professionals**

RDEV650 *(PermReq)* **Essentials of Design and Construction Management for Development Professionals; (3 credits)** Grade Method: REG.
For RDEV majors or permission of department. Corequisite: RDEV640 and RDEV610. Credit will be granted for only one of the following: RDEV650 or RDEV688C. Formerly RDEV688C. Essential terminology, process and substantative knowledge needed by development professionals to effectively move a project through the design and construction process; includes environmental and ethical considerations throughout the process.

0101	Steven Shapiro Tu 7:00pm - 9:40pm	Seats (Total: 27) ARC 1103

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG.
For RDEV majors only or permission of the department.

0101	Margaret McFarland Th 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688E **Selected Topics in Real Estate Development; Resolving Conflict and Negotiating Agreements**

RDEV688E Selected Topics in Real Estate Development: Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.
For RDEV majors only or permission of the department.

0101	Charles Field W 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Margaret McFarland Tu 4:00pm - 7:30pm	Seats (Total: 15) Location: TBA
0102	Alfred Tetrault Tu 7:00pm - 9:40pm	Seats (Total: 15) Location: TBA
0103	Margaret McFarland Tu 7:00pm - 9:45pm	Seats (Total: 15) ARC 1123
0104	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 15) Location: TBA

RDEV688J **Selected Topics in Real Estate Development; Selected Topics in real Estate Development: Principles of Urban Design**

RDEV688J *(PermReq)* **Selected Topics in Real Estate Development: Selected Topics in real Estate Development: Principles of Urban Design; (3 credits)** Grade Method: REG.

0101	Robert McClennan	Seats (Total: 30)
	Th 7:00pm - 9:40pm	Location: TBA

RDEV688K **Selected Topics in Real Estate Development; Tax and Accounting for Real Estate Developers**

RDEV688K *(PermReq)* **Selected Topics in Real Estate Development: Tax and Accounting for Real Estate Developers; (3 credits)** Grade Method: REG/AUD. For RDEV majors only or permission of the Department.

0101	David Kessler, Ivan Silverman	Seats (Total: 27)
	M 7:00pm - 9:40pm	ARC 1101

RDEV688L **Selected Topics in Real Estate Development; Selected Topics in Real Estate Development: Commercial Leasing**

RDEV688L *(PermReq)* **Selected Topics in Real Estate Development: Selected Topics in Real Estate Development: Commercial Leasing; (3 credits)** Grade Method: REG.

0101	Christopher Camarra, Shannon Sentman	Seats (Total: 20)
	W 7:00pm - 9:40pm	ARC 1125

RDEV688P **Selected Topics in Real Estate Development; Entrepreneurship Basics for Real Estate Developers**

RDEV688P Selected Topics in Real Estate Development: Entrepreneurship Basics for Real Estate Developers; (3 credits) Grade Method: REG/AUD. For RDEV majors only or permission of the department.

0101	James Green	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1121

RDEV688R **Selected Topics in Real Estate Development; Roots and Rudiments of Affordable Housing**

RDEV688R Selected Topics in Real Estate Development: Roots and Rudiments of Affordable Housing; (3 credits) Grade Method: REG/AUD.
For RDEV majors only or permission of the department.

0101	Robert Kenison	Seats (Total: 20)	
	Th 7:00pm - 9:40pm	ARC 1125	

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.
Prerequisites: Permission of the Department Required: Not open to studen ts who completed RDEV689X or RDEV689W.

0101	Germano Gomez, Robert Lefenfeld	Seats (Total: 30)	
	W 7:00pm - 9:40pm	ARC 1103	

RDEV689F **Current Topics in Real Estate Development; Current Topics in Real Estate Development: Seminar in Advanced Real Estate Finance**

RDEV689F Current Topics in Real Estate Development: Current Topics in Real Estate Development: Seminar in Advanced Real Estate Finance; (3 credits) Grade Method: REG.

0101	Scott Price	Seats (Total: 15)	
	M 7:00pm - 9:40pm	ARC 1121	

RELS Religious Studies Fall 2010

RELS289M **Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements**

RELS289M Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.provost.umd.edu/GenEd2009/ Click here for more course information.

0101	Hayim Lapin	Seats (Total: 20)	
	TuTh 2:00pm - 2:50pm	CHM 1402	
	M 11:00am - 11:50am	WDS 1130	Discussion

0102	Hayim Lapin TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) CHM 1402 BPS 1228	 Discussion
0103	Hayim Lapin TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 20) CHM 1402 JMZ 3203	 Discussion

RELS384 **Anthropology of Religion**

RELS384 Anthropology of Religion; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANTH260 or permission of instructor. Also offered as ANTH364 or ANTH688R. Not open to students who have completed ANTH364. Credit will be granted for only one of the following: ANTH364, ANTH688R, or RELS384.* Comparative study of religion in social, cultural, polilitical, and economic context. Combines the history of schools of interpretation with a survey of theoretical alternatives and a focus on selected case studies.

0101	William Stuart TuTh 9:30am - 10:45am	Seats (Total: 35) WDS 1114

RELS499 **Independent Study in Religious Studies**

RELS499 *(PermReq)* **Independent Study in Religious Studies; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Maxine Grossman Contact instructor or department for details.	Seats (Total: 5)

RUSS Russian Fall 2010

RUSS101 **Intensive Elementary Russian I**

RUSS101 Intensive Elementary Russian I; (6 credits) Grade Method: REG/P-F/AUD.
Not open to native speakers of Russian. Credit will be granted for only one of the following: RUSS101; or RUSS111 and RUSS112. This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence. This course has been put on a timed release system. Seats will be opended gradually by the registrar's office, to a total of 15 seats per section.

0101	Zhanna Gerus-Vernola, Elizabeth Papazian	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 1103
	TuTh 9:30am - 10:45am	JMZ 1103
0201	Zhanna Gerus-Vernola, Elizabeth Papazian	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 1103
	TuTh 11:00am - 12:15pm	JMZ 1103

RUSS201 **Intermediate Russian I**

RUSS201 Intermediate Russian I; (5 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native speakers of Russian. Prerequisite: RUSS102 or RUSS114 or equivalent. Continued activation and expansion of skills and knowledge acquired in an elementary Russian course with the goal of communicative competence.

0101	Cynthia Martin	Seats (Total: 15)
	MW 9:00am - 10:50am	JMZ 0205
	F 9:00am - 9:50am	JMZ 1103

RUSS203 **Intermediate Russian for Heritage Speakers**

RUSS203 Intermediate Russian for Heritage Speakers; (3 credits) Grade Method: REG/P-F/AUD.
For Heritage Speakers only. No credit give to students who have taken RUSS201. Credit will be granted for only one of the following: RUSS201 or RUSS203. Designed for native and heritage speakers of Russian, with the goal of attaining competency in written Russian while improving speaking and reading skills.

0101	Marianna Landa MWF 12:00pm - 12:50pm	Seats (Total: 15) HBK 1108

RUSS289I **The Power of the Word: Freedom of Speech in the U.S. and Russia**

RUSS289I The Power of the Word: Freedom of Speech in the U.S. and Russia; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/ Click here for more course information.

0101	Cynthia Martin M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 60) JMZ 1124 JMZ 1122

RUSS301 **Advanced Russian I**

RUSS301 Advanced Russian I; (3 credits) Grade Method: REG/AUD.
Not open to Native Speakers of Russian. Prerequisite: RUSS202 or equivalent. Advanced training in written Russian communicative structures.

0101	Maria Lekic TuTh 9:30am - 10:45am	Seats (Total: 19) JMZ 1117

RUSS381 **Russian Civilization (in Russian) I**

RUSS381 Russian Civilization (in Russian) I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202. A historical survey of Russian civilization emphasizing architecture, painting, sculpture, music, ballet and the theater to the beginning of the 19th century pointing out the interrelationship of all with literary movements. Taught in Russian.

0101	Donald Hitchcock TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1123

RUSS386 **Experiential Learning**

RUSS386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department. Junior standing.*

Contact department for information to register for this course.

RUSS398P **Selected Topics in Russian Language and Literature; Russian Prose and Poetry for Heritage Learners**

RUSS398P Selected Topics in Russian Language and Literature: Russian Prose and Poetry for Heritage Learners; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marianna Landa	Seats (Total: 20)
	M 3:00pm - 5:30pm	KEY 0117

RUSS401 **Advanced Russian Composition**

RUSS401 Advanced Russian Composition; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native speakers of Russian. Prerequisite: RUSS302 or equivalent. Approaches to argumentation, organization of information, contextualized grammar, appropriateness of lexical choice, genre, and register.

0101	Kira Gor	Seats (Total: 15)
	Tu 3:30pm - 4:45pm	JMZ 3205
	Th 3:30pm - 4:45pm	JMZ 1117

RUSS405 **Russian-English Translation I**

RUSS405 Russian-English Translation I; (3 credits) Grade Method: REG/P-F/AUD. *Pre- or corequisite: RUSS302 or equivalent.* Introduction to the principles of translation of a particular genre, and is typically diplomatic, business, or literary.

0101	Maria Lekic	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 3205

RUSS411 **Linguistic Analysis of Russian I**

RUSS411 Linguistic Analysis of Russian I; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: RUSS301. Elucidation of theoretical concepts of modern linguistics through the analysis of problematic concepts in the Russian linguistic system. Phonology and the syntax of the simple sentence.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1123

RUSS499 **Independent Study in Russian**

RUSS499 Independent Study in Russian; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application — Fall 2010

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA741 **Cognitive Processes in Second Language Learning**

SLAA741 Cognitive Processes in Second Language Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610 or equivalent and permission of instructor. Examines the roles played by varied types of learning processes and memory, general processing issues, and the cognitive bases of individual differences in learning and processing a second language.

0101	Robert De Keyser	Seats (Total: 15)
	M 4:00pm - 6:30pm	JMZ 0205

SLAA754 **Task-Based Language Teaching**

SLAA754 Task-Based Language Teaching; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed SLAA649T in Fall 2004 or Fall 2005. Credit will be granted for only one of the following: SLAA649T or SLAA754. Formerly SLAA649T. Overview of Task-Based Language Teaching (TBLT) including needs and means analysis, syllabus design, materials writing, methodology and pedagogy, testing, and evaluation. Theoretical issues addressed include relationship of TBLT to research findings on the psychology of learning and SLA and libertarian approaches to education.

0101	Michael Long	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	JMZ 0118

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (3 credits) Grade Method: REG/AUD.

0101	Michael Long	Seats (Total: 20)
	Th 5:00pm - 7:30pm	JMZ 2206

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures — Fall 2010

SLLC299R **Special Topics in World Cultures; Elementary Italian I**
Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**
Contact department for information to register for this course.

SLLC472 **International Business Cultures in Engineering and Technology**

SLLC472 *(PermReq)* **International Business Cultures in Engineering and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as ENES472. Credit will be granted for only one of the following: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472 or SLLC473. Formerly ARHU439T. The goal of this course is to provide students with an understanding of cultural aspects pertaining to global business and engineering, and thereby increasing their awareness of the cultural factors that motivate decisions and behavior in the business world. Students will gain an understanding of how the business cultures in the rest of the world diverge from the American, and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

0101	Caine Francis	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	CHE 2136

SLLC499L **Special Topics in World Cultures; Readings in Arabic Literature**

SLLC499L Special Topics in World Cultures: Readings in Arabic Literature; (3 credits) Grade Method: REG/P-F/AUD.
Survey course of readings in modern Arabic literature and its various genres poetry, the short story, drama and the novel that aims to communicate a rounded knowledge of the diversity and breadth of Arab intellectual and literary history in modern times. Taught in Arabic. Prerequisite: Arab304 or permission of department.

0101	Sayed Elsisi	Seats (Total: 15)
	MW 3:30pm - 4:45pm	JMZ 1215

SLLC601 **Teaching Foreign Languages in Higher Education**

SLLC601 *(PermReq)* **Teaching Foreign Languages in Higher Education; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: SLLC 601 or SPAN 605. Formerly SPAN605. Methods and materials for teaching foreign languages in higher education.

0101	Manel Lacorte M 3:00pm - 4:30pm	Seats (Total: 10) JMZ 3120

SLLC698E **Special Topics in Interdisciplinary Studies; Haiti: Literature and Ideology**

SLLC698E Special Topics in Interdisciplinary Studies: Haiti: Literature and Ideology; (1 credit) Grade Method: REG/AUD.
Class meets on September 10th; October 1st; October 22; and December 10th.

0101	Zita Nunes, Valerie Orlando Contact instructor or department for details.	Seats (Total: 12)

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY Sociology Fall 2010

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change. Prerequisite for other sociology courses.

0101	Jillet Sam TuTh 9:30am - 10:45am	Seats (Total: 60) TYD 1102
0201	Mehrdad Mashayekhi MWF 10:00am - 10:50am	Seats (Total: 60) ASY 2309
0301	Mehrdad Mashayekhi MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309
0401	Michelle Smirnova TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 1213

0501	Joseph Lengermann MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 ASY 3207	Discussion
0502	Joseph Lengermann MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 ASY 3221	Discussion
0503	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 ASY 3221	Discussion
0504	Joseph Lengermann MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3221	Discussion
0505	Joseph Lengermann MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3221	Discussion
0506	Joseph Lengermann MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3221	Discussion
0507	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 ASY 3211	Discussion
0508	Joseph Lengermann MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3215	Discussion
0509	Joseph Lengermann MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3215	Discussion
0601	Lester Andrist TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 22) ASY 2203 ASY 3221	Discussion

0602	Lester Andrist TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 24) ASY 2203 ASY 3203	Discussion
0603	Lester Andrist TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 PLS 1158	Discussion
0604	Lester Andrist TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 EDU 2119	Discussion
0605	Lester Andrist TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 TYD 2111	Discussion
0606	Lester Andrist TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3203	Discussion
0607	Lester Andrist TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 HBK 1108	Discussion
0608	Lester Andrist TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3219	Discussion
0609	Lester Andrist TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3219	Discussion
0701	Margaret Smith MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309	
FC01	Susan Hong MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 50) ASY 2309	

FC02	Emily Mann TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) ASY 3203

SOCY100H **Introduction to Sociology**

SOCY100H Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Open to Honor students only.

0101	Michelle Smirnova TuTh 2:00pm - 3:15pm	Seats (Total: 25) ASY 3207

SOCY105 **Introduction to Contemporary Social Problems**

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Michelle Corbin TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0201	Cagri Tanyol TuTh 12:30pm - 1:45pm	Seats (Total: 40) ASY 2309
0301	Kathryn Buford MWF 9:00am - 9:50am	Seats (Total: 60) ASY 1213
0401	Paul Dean MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
0501	Michelle Beadle Holder TuTh 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213
0601	Joseph Waggle MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 2309

FC01	Shinta Hernandez TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) ASY 2309	

SOCY105U **Introduction to Contemporary Social Problems**
Contact department for information to register for this course.

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111 or equivalent. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates. Required for majors.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm W 8:00am - 9:50am	Seats (Total: 20) ASY 2309 ASY 3219	 Lab
0102	Alan Neustadtl TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 2309 ASY 3217	 Lab
0103	Alan Neustadtl TuTh 11:00am - 12:15pm W 1:00pm - 2:50pm	Seats (Total: 20) ASY 2309 ASY 3219	 Lab
0104	Alan Neustadtl TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 2309 EDU 0206	 Lab

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201. The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing. To be taken immediately after SOCY 201. Required for majors.

0101	Nihal Celik TuTh 11:00am - 12:15pm M 9:00am - 10:50am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0102	Nihal Celik TuTh 11:00am - 12:15pm M 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 ASY 3211	 Lab
0103	Nihal Celik TuTh 11:00am - 12:15pm F 9:00am - 10:50am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0104	Nihal Celik TuTh 11:00am - 12:15pm F 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100. Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for sociology majors.

0101	Roberto Korzeniewicz TuTh 12:30pm - 1:45pm	Seats (Total: 35) ARC 1105	
0201	George Ritzer MW 2:00pm - 3:15pm	Seats (Total: 95) ASY 1213	

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: SOCY227 or SOCY327. Formerly SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	Margaret Duffy MW 2:00pm - 3:15pm	Seats (Total: 60) SQH 1120
0201	Margaret Duffy MWF 1:00pm - 1:50pm	Seats (Total: 60) ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Christopher Andrews MW 2:00pm - 3:15pm	Seats (Total: 175) ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Daniel Williams MWF 12:00pm - 12:50pm	Seats (Total: 47) ASY 3207

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three credits of sociology.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 9:30am - 10:45am	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: three credits of sociology. Also offered as WMST325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Michelle Corbin MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Michelle Corbin MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Valerie Chepp TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309

SOCY380 **Honors Independent Reading in Sociology**

SOCY380 *(PermReq)* **Honors Independent Reading in Sociology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly SOCY378. This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

0101	Linda Moghadam	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398L **Special Topics in Sociology; Service Learning**

SOCY398L *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)** Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

0101	Linda Moghadam M 3:00pm - 5:30pm	Seats (Total: 10) Location: TBA

SOCY398M **Special Topics in Sociology; Microbrewing and Society**

SOCY398M Special Topics in Sociology: Microbrewing and Society; (1 credit) Grade Method: REG/P-F/AUD.

0101	John Robinson Contact instructor or department for details.	Seats (Total: 20)

SOCY398R **Special Topics in Sociology; Morris Rosenburg Lecture and Reading**

SOCY398R Special Topics in Sociology: Morris Rosenburg Lecture and Reading; (1 credit) Grade Method: REG/P-F/AUD.

0101	Linda Moghadam Contact instructor or department for details.	Seats (Total: 10)

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY401 **Intermediate Statistics for Sociologists**

SOCY401 Intermediate Statistics for Sociologists; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201 or equivalent or permission of department. Not open to students who have completed ENEE324, BMGT231, or STAT400. Issues in the use of significance tests in sociology, one and two-way analysis of variance, elements of multiple regression and correlation, techniques for the analysis of nominal and ordinal data.

0101	Alan Neustadtl TuTh 9:30am - 10:45am Th 2:00pm - 4:00pm	Seats (Total: 20) ASY 3207 EDU 1210B	 Lab

SOCY402 **Intermediate Procedures For Data Collection**

SOCY402 Intermediate Procedures For Data Collection; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY202 or equivalent; or permission of department. An intermediate survey of the major research methods used by sociologists, including survey research, experimentation, observation, archival research, and in-depth interviewing. The selection of an appropriate research method, with analysis of the strengths and weaknesses of various methods, practical issues, data collection and preparation, and analytical techniques.

0101	John Robinson M 3:30pm - 6:10pm	Seats (Total: 30) ASY 3203

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Elizabeth Arias TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3207

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology course work. Formerly SOCY312. Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Scott Albrecht MWF 10:00am - 10:50am	Seats (Total: 35) ASY 3203

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits in sociology or permission of department. Also offered as AAST424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Kendra Barber	Seats (Total: 30)
	TuTh 8:00am - 9:15am	ASY 3203

SOCY430 **Social Structure and Identity**

SOCY430 Social Structure and Identity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Theoretical issues in social psychology, focusing on social construction of identity. Identity formation and transformation in social process. Structural and cultural dimensions of social identity.

0101	Christopher Andrews	Seats (Total: 35)
	MW 4:00pm - 5:15pm	TYD 2106

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0201	Kurt Finsterbusch	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	TWS 1106

SOCY440 **Sociology of the Self-Concept**

SOCY440 Sociology of the Self-Concept; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The nature of the self-concept and the social forces that mold it. Major sociological, psychological, and psycho-analytic theories of the self-concept. Self-concept motives, mechanisms of self-defense, and the nature of a healthy self-concept. Empirical research dealing with the bearing of social interaction, social structure, social context and social institutions on the self-concept.

0101	Christopher Andrews	Seats (Total: 35)
	MWF 11:00am - 11:50am	ASY 3203

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Junior standing. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 99)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0101	Linda Moghadam	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3207

SOCY450 **Measurement of Time, Work, and Leisure**

SOCY450 Measurement of Time, Work, and Leisure; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. How Americans use time, with specific reference to work, housework, personal and free time activities. Time-use differences across methods, social groups and cultures. Subjective time. Implications for time management, societal quality of life, social policy, and theory.

0101	John Robinson	Seats (Total: 35)
	Tu 3:30pm - 6:10pm	ASY 3203

SOCY465 **The Sociology of War**

SOCY465 The Sociology of War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The origin and development of armed forces as institutions, the social causes, operations and results of war as social conflict; the relations of peace and war and revolution in contemporary civilizations.

0101	Meyer Kestnbaum	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3203

SOCY498I **Selected Topics in Sociology; Sociology of Reproduction**

SOCY498I Selected Topics in Sociology: Sociology of Reproduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department.

0101	Emily Mann	Seats (Total: 35)
	MW 3:30pm - 4:45pm	ASY 3207

SOCY498O **Selected Topics in Sociology; Israeli Society**

SOCY498O *(PermReq)* **Selected Topics in Sociology: Israeli Society; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ISRL448B. Israel's cultural diversity and the multiple identities that characterize it, including issues such as immigration, consequences of Israel as the Jewish nation/state, religion, and the various groups that make up the society. Click here for additional course information.

0101	Pnina Peri MW 4:00pm - 5:15pm	Seats (Total: 20) HBK 0109

SOCY498P **Selected Topics in Sociology; Sociology of Cities**
Contact department for information to register for this course.

SOCY498X **Selected Topics in Sociology; Public Sociology**

SOCY498X *(PermReq)* **Selected Topics in Sociology: Public Sociology; (3 credits)** Grade Method: REG/P-F/AUD.
6 hours of sociology and permission of department required.

0101	Patricia Collins M 3:00pm - 5:40pm	Seats (Total: 20) ASY 3215

SOCY620 **Development of European and American Sociological Theory**

SOCY620 Development of European and American Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 203 or SOCY 403 or equivalent, or permission of instructor.
Review of the history of sociological thought with major attention to the key figures (from Marx to C. Wright Mills). Restricted to SOCY majors only.

0101	Roberto Korzeniewicz Tu 6:30pm - 9:20pm	Seats (Total: 15) ASY 1101

SOCY622 **The Sociology of Knowledge**

SOCY622 The Sociology of Knowledge; (3 credits) Grade Method: REG/AUD.
Analysis of the relation of types of knowledge to social structure. Role of social class and social organization in the development of science, political ideology, belief systems and social values. Social roles associated with production of knowledge.

0101	Patricia Collins Tu 3:30pm - 6:10pm	Seats (Total: 10) ASY 1117

SOCY626 **Demography of Aging**

SOCY626 Demography of Aging; (3 credits) Grade Method: REG/AUD.
Examines the demographic foundations of population aging, focusing on macro and historical patterns as well as on trends in mortality health and disability. Also examines the relationship between aging and social institutions such as the family, the economy and public policy.

0101	Joan Kahn	Seats (Total: 20)
	W 3:30pm - 6:10pm	ASY 1117

SOCY630 **Population and Society**

SOCY630 Population and Society; (3 credits) Grade Method: REG/AUD.
Selected problems in the field of population; quantitative and qualitative aspects; American and world problems.

0101	Sonalde Desai	Seats (Total: 20)
	Th 3:30pm - 6:10pm	ASY 1101

SOCY634 **Attitudes and Public Opinion**

SOCY634 Attitudes and Public Opinion; (3 credits) Grade Method: REG/AUD.
Processes involved in the formation of attitudes; effects of communication; measurement techniques.

0101	Stanley Presser	Seats (Total: 20)
	W 3:30pm - 6:10pm	ASY 1101

SOCY664 **Armed Forces and Society**

SOCY664 Armed Forces and Society; (3 credits) Grade Method: REG/AUD.
Analysis of the relationship between military organization and modern industrial society. Growth and decline of the mass army, the transition from conscription to all-volunteer forces, the social legitimacy of military organization, the military as a form of industrial organization, and problems of civil-military relations in the modern world.

0101	David Segal	Seats (Total: 20)
	Tu 3:30pm - 6:10pm	ASY 1101

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699A **Special Social Problems; Sociology Teaching Assistants Seminar**

SOCY699A Special Social Problems: Sociology Teaching Assistants Seminar; (1 credit) Grade Method: REG/AUD.

0101	Linda Moghadam	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 1117

SOCY699F **Special Social Problems; Apprenticeship in Social Research**

SOCY699F Special Social Problems: Apprenticeship in Social Research; (1 credit) Grade Method: REG/AUD.

0101	Feinian Chen	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699J **Special Social Problems; Introduction to Qualitative Research Methods**

0101	John Pease	Seats (Total: 20)
	MW 2:00pm - 3:15pm	ASY 1117

SOCY699K **Special Social Problems; States and Politics: Institutional Approaches to Analysis**

SOCY699K Special Social Problems: States and Politics: Institutional Approaches to Analysis; (3 credits) Grade Method: REG/AUD.

0101	Meyer Kestnbaum	Seats (Total: 20)
	Th 3:30pm - 6:10pm	ASY 4111

SOCY699L **Special Social Problems; Diversity in the Military**

SOCY699L Special Social Problems: Diversity in the Military; (3 credits) Grade Method: REG/AUD.

0101	Meredith Kleykamp	Seats (Total: 20)
	M 10:00am - 12:40pm	ASY 1101

SOCY699M **Special Social Problems; Dissertation Writing Workshop**

SOCY699M Special Social Problems: Dissertation Writing Workshop; (2 credits) Grade Method: REG/AUD.

0101	Kurt Finsterbusch	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699P **Special Social Problems; Pro-Seminar in Sociology**

SOCY699P Special Social Problems: Pro-Seminar in Sociology; (1 credit) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 20)
	M 1:00pm - 1:50pm	ASY 1117

SOCY699Q **Special Social Problems; Apprenticeship in Teaching Sociology**

SOCY699Q Special Social Problems: Apprenticeship in Teaching Sociology; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699R **Special Social Problems; Workshop in Current Sociological Issues**

SOCY699R Special Social Problems: Workshop in Current Sociological Issues; (1 credit) Grade Method: REG/AUD.

0101	Kris Marsh	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699V **Special Social Problems; Writing Workshop for Second Year Paper**

SOCY699V Special Social Problems: Writing Workshop for Second Year Paper; (1 credit) Grade Method: REG/AUD.

0101	Julie Park	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699W **Special Social Problems; Work in Progress**

SOCY699W Special Social Problems: Work in Progress; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699Z **Special Social Problems; Workshop in PhD Specialty Exam Preparation**

SOCY699Z Special Social Problems: Workshop in PhD Specialty Exam Preparation; (1 credit) Grade Method: REG/AUD.

0101	Meredith Kleykamp	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY729G **Advanced Special Topics in Substantive Theory; Theories of Globalization**

SOCY729G Advanced Special Topics in Substantive Theory: Theories of Globalization; (3 credits) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 20)
	M 3:30pm - 6:10pm	ASY 1117

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Reeve Vanneman	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	David Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Fall 2010

SPAN103 **Intensive Elementary Spanish**

SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed SPAN101, SPAN102, more than two years of high school Spanish, or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Recommended for students who have completed Level 2 with a grade of A or B, or Level 3 with a grade of C or below in high school, or the first semester of college Spanish at another institution. Limited exceptions may be granted for students with weak preparations or several years lapse since study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, in JMZ 2202.

0101	Andrew Milacci MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0208 JMZ 0122
0201	Matthew Lewis MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) SYM 0209 JMZ 1215
0301	Fabian Faccio MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208 JMZ 0103

0401	Douglas Glynn MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2123
0501	Ivonne Bruneau-Botello MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0118 JMZ 0122
0601	Anne Giller-Wilde MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) BPS 0283 TLF 1101

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103 or equivalent. Not open to students who have completed four years of high school Spanish or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN201 or SPAN203. Formerly SPAN201.
Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Evelyn Canabal-Torres MWThF 9:00am - 9:50am	Seats (Total: 25) JMZ 1215
0201	Andrea Mickus MWThF 10:00am - 10:50am	Seats (Total: 25) JMZ 1215
0301	Maggy Rodriguez MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 3120 JMZ 2117
0401	Andrea Mickus MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 2120 JMZ 1117
0501	Maggy Rodriguez MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 0118 JMZ 0122
0601	Leonardo Solano Moraga MWThF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0122

0701	Evelyn Canabal-Torres MWThF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122
0801	Evelyn Canabal-Torres MWThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0122

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203 (formerly SPAN201); or high school level 4 or 5 with a grade of A or B; or permission of department. Not open to students who have completed SPAN202 or to native/fluent speakers of Spanish. Credit will be granted for only one of the following: SPAN202 or SPAN204. Formerly SPAN202. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Elisabeth Arevalo-Guerrero MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0125
0201	Elisabeth Arevalo-Guerrero MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0208
0301	Oscar Santos Sopena MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208
0401	Maria Becerril Longares MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0208

SPAN206 **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

SPAN206 Review of Oral and Written Spanish for Native Speakers Educated in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Native or near native knowledge of oral Spanish and no formal education in Spanish. Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting. Offered fall only.

0101	Evelyn Canabal-Torres MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0118

0201	Evelyn Canabal-Torres MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0125

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203 with a grade of B+ or higher; or SPAN204 or concurrent SPAN204; or equivalent knowledge; or permission of department. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207
0201	Karen Krausen MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2207
0301	Norman Gonzalez MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1120
0401	Anthony Barilla MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2207
0501	Sofia Calzada-Orihuela MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0125

SPAN234 **Issues in Latin American Studies I**

SPAN234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT234 and LASC234. Credit will be granted for only one of the following: SPAN234 or PORT234 or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Ivette Rodriguez-Santana TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0101

0201	Daryle Williams TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0103

SPAN234H **Issues in Latin American Studies I**

SPAN234H Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT234 and LASC234. Credit will be granted for only one of the following: SPAN234 or PORT234 or LASC234. Open to Honor students only.

0101	Ivette Rodriguez-Santana TuTh 9:30am - 10:45am	Seats (Total: 5) TYD 0101

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0101	Jason Bartles MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 1117
0201	Laura Quijano MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 2122
0301	Laura Quijano MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0122
0401	Goretti Prieto Botana MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1215
0501	Anthony Barilla MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 3120
0601	Jason Bartles MWF 11:00am - 11:50am	Seats (Total: 20) WDS 1131

0701	Goretti Prieto Botana MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1103

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Ana Acedo Garcia MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1103
0201	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1120
0301	Ana Acedo Garcia MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 1215
0401	Ana Acedo Garcia MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) JMZ 2117 JMZ 1122

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN207 or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. In Spanish.

0101	Carolina Gomez-Montoya MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3205
0201	Rocio Gordon MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 3205
0301	Maria Campero TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 0120

SPAN310 **Spanish Phonetics**

SPAN310 Spanish Phonetics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN301 and SPAN303; and permission of department.* Descriptive study of the Spanish sound system. Practice in phonetic perception, transcription, and articulation. Particular attention to sentence phonetics; juncture, rhythm, stress, pitch.

0101	Ana Acedo Garcia MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 3205

SPAN315 **Commercial Spanish I**

SPAN315 Commercial Spanish I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN301 and SPAN303; or permission of department.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments. Offered fall only.

0101	Carmen Ruzza TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1124
0201	Anthony Barilla TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 0103
0301	Carmen Ruzza TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 1124
0401	Carmen Ruzza TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1215
0501	Anthony Barilla TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1122
0601	Carmen Ruzza TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0103

SPAN316 **Practicum in Translation I**

SPAN316 *(PermReq)* **Practicum in Translation I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of department. Translation of non-literary, non-technical texts into Spanish and/or English. Offered fall only.

0101	Ivonne Bruneau-Botello TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 2207
0201	Agnieszka Bolikowska TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 2207
0301	Alejandra Echazu TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2207
0401	Alejandra Echazu TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2207
0501	Agnieszka Bolikowska TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1120

SPAN318 **Translation of Technical Texts; Translation of Technical Texts in Spanish**

SPAN318 Translation of Technical Texts: Translation of Technical Texts in Spanish; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cristina Burneo MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1117

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**

SPAN331 Spanish Culture, Civilization and Literature I: Medieval Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN325 or SPAN321. Credit will be granted for only one of the following: SPAN321, SPAN325, or SPAN331. The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. In Spanish.

0101	Anthony Barilla MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3120

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN322 or SPAN326. Credit will be granted for only one of the following: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. In Spanish.

0101	Jose Naharro-Calderon TuTh 3:30pm - 4:45pm	Seats (Total: 25) JMZ 2206

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

SPAN361 Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN323 or SPAN346. Credit will be granted for only one of the following: SPAN361, SPAN323, or SPAN346. Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. In Spanish.

0101	Sofia Calzada-Orihuela MWF 11:00am - 11:50am	Seats (Total: 25) HBK 1112
0201	Maria Munoz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) JMZ 0122 JMZ 0120
0301	Norman Gonzalez MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 1226

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303, or permission of instructor. Not open to students who have completed SPAN324 or SPAN347. Credit will be granted for only one of the following: SPAN324, SPAN347, SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. In Spanish.

0101	Carolina Gomez-Montoya MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2123 JMZ 2206
0201	Maria Campero TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 1122

SPAN369T **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**
Contact department for information to register for this course.

SPAN386 **Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Previous permission by the instructor is required for enrollment in this course.

Contact department for information to register for this course.

SPAN408F **Great Themes of the Hispanic Literatures; Re-visiting Revolution in the Southern Cone: A Contemporary Approach through Fiction and Film**

SPAN408F Great Themes of the Hispanic Literatures: Re-visiting Revolution in the Southern Cone: A Contemporary Approach through Fiction and Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rocio Gordon	Seats (Total: 25)
	MW 1:00pm - 1:50pm	JMZ 1124
	F 1:00pm - 1:50pm	JMZ 2206

SPAN408G **Great Themes of the Hispanic Literatures; Central American Diasporas**

SPAN408G Great Themes of the Hispanic Literatures: Central American Diasporas; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ana Rodriguez	Seats (Total: 25)
	TuTh 9:30am - 10:45am	KEY 0119

SPAN408I **Great Themes of the Hispanic Literatures; The Bright Middle Ages**

SPAN408I Great Themes of the Hispanic Literatures: The Bright Middle Ages; (3 credits) Grade Method: REG/P-F/AUD.

0101	Carmen Benito-Vessels	Seats (Total: 25)
	M 3:30pm - 4:45pm	JMZ 2123
	W 3:30pm - 4:45pm	JMZ 0205

SPAN409Z **Great Themes of the Hispanic Literatures; Spanish Film and Theatre**
Contact department for information to register for this course.

SPAN425 **Introduction to Hispanic Linguistics I: Basic Concepts**

SPAN425 Introduction to Hispanic Linguistics I: Basic Concepts; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of department. This course begins with an introduction to general concepts in linguistics, from language function and the brain to communication, culture, and thought, and their relation to other disciplines in the social sciences. The main purpose of this course is to provide an overview of Hispanic linguistics through multiple perspectives, while exploring the areas of Spanish morphology, syntax, and semantics. This course will also focus on the structural tendencies of Spanish through a variety of practical activities.

0101	Manel Lacorte MW 5:00pm - 6:15pm	Seats (Total: 25) JMZ 3205

SPAN449A **Special Topics in Spanish Civilization; Contemporary Film and Theatre**
Contact department for information to register for this course.

SPAN464 **Contemporary Spanish Poetry**
Contact department for information to register for this course.

SPAN479 **Honors Thesis**
Contact department for information to register for this course.

SPAN495 **Honors Reading**

SPAN495 Honors Reading; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: admittance to Spanish and Portuguese Honors or permission of department.* Supervised reading.

Contact department for information to register for this course.

SPAN698L **Masterpieces of Hispanic Literatures; "Classical" 20th Century Texts in Latin American Literature:Problematizing the Canon**

SPAN698L Masterpieces of Hispanic Literatures: "Classical" 20th Century Texts in Latin American Literature:Problematizing the Canon; (3 credits) Grade Method: REG/AUD.

0101	Sandra Cypess W 4:30pm - 7:00pm	Seats (Total: 10) Location: TBA

SPAN698M **Masterpieces of Hispanic Literatures; Contemporary Narrative Spanish Canon: Novelas, Nivolas and Nobelas**

SPAN698M Masterpieces of Hispanic Literatures: Contemporary Narrative Spanish Canon: Novelas, Nivolas and Nobelas; (3 credits) Grade Method: REG/AUD.

0101	Jose Naharro-Calderon Th 5:00pm - 7:30pm	Seats (Total: 10) JMZ 0118

SPAN699 **Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN788T **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Juan Ramon Jimenez Series**

SPAN788T Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Juan Ramon Jimenez Series; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

SPAN798N **Open Seminar; History of Spanish: Medieval Literature**

SPAN798N Open Seminar: History of Spanish: Medieval Literature; (3 credits) Grade Method: REG/AUD.

0101	Carmen Benito-Vessels M 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2215F

SPAN798X **Open Seminar; Intercultural Perspectives in Latin America, Theories and Cases**

SPAN798X *(PermReq)* **Open Seminar: Intercultural Perspectives in Latin America, Theories and Cases; (3 credits)** Grade Method: REG/AUD.
In English, with readings in Spanish for those who read Spanish.

0101	Daniel Mato Tu 3:30pm - 6:00pm	Seats (Total: 7) TYD 2110

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Fall 2010

SPHL389 **Public Health Science Topical Investigations**

SPHL389 *(PermReq)* **Public Health Science Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD.

SG91	Jennifer Todd	Seats (Total: 10)
	Contact instructor or department for details.	

SPHL400 **Introduction to Global Health**

SPHL400 Introduction to Global Health; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: SPHL400 or SPHL498A. Formerly SPHL498A.* Exploration of theoretical frameworks and practical perspectives on issues shaping the global health panorama. Determinants examined through: biological and epidemiological; social, cultural and economic; environmental and geographic; multi-section, legal and institutional perspectives with synopsis of how these issues are addressed by international and community organizations in developing countries.

SG91	Muhiuddin Haider	Seats (Total: 35)
	W 2:00pm - 4:50pm	BLD3 2226
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.	

SPHL410 **Public Health Program Planning and Evaluation**

SPHL410 Public Health Program Planning and Evaluation; (3 credits) Grade Method: REG/P-F/AUD.
Students will become familiar with the dynamics of public health program planning, and the basic process of identifying unmet needs. They will be able to identify different types of program evaluation, including needs assessment, formative research, process evaluation, impact assessment, and cost analysis.

SG91	Jennifer Todd	Seats (Total: 35)
	Th 2:00pm - 4:50pm	BLD3 3226
	This section is held at Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL491 **Public Health Science Internship**

SPHL491 *(PermReq)* **Public Health Science Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor.

SG91	Jennifer Todd	Seats (Total: 1)
	Contact instructor or department for details.	

SPHL498E **Special Topics in Public Health; History of Public Health**

SPHL498E Special Topics in Public Health: History of Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

SG91	John Parascandola	Seats (Total: 35)
	Tu 2:00pm - 4:50pm	BLD3 2226
	This course will meet at the Universities at Shady Grove. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll.	

SPHL498J **Special Topics in Public Health; Essentials of Public Health Biology: The Cell, the Individual and Disease**

SPHL498J Special Topics in Public Health: Essentials of Public Health Biology: The Cell, the Individual and Disease; (3 credits) Grade Method: REG/P-F/AUD. Course is held at Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll. Prerequisite: BSCI105. Students will gain an understanding of how and why a disease occurs, incorporating this knowledge into public health practice. Course will explore pathophysiology of disease within the context of public health. Students will gain a clear understanding of the pathogenesis of various disease conditions and how the identify critical points at which such pathogenesis could either be prevented or interrupted. Infectious, nutritional, metabolic, genetic, and environmental risks and the impact of such risks on various organ systems will be examined.

SG91	Constance Battle W 9:30am - 12:20pm	Seats (Total: 35) BLD3 2225

SPHL698A **Special Topics in Public Health; Fundamentals of Global Health**

SPHL698A Special Topics in Public Health: Fundamentals of Global Health; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Muhiuddin Haider M 5:00pm - 7:45pm	Seats (Total: 25) SPH 1301

SPHL698L **Special Topics in Public Health; Health and Literacy**

SPHL698L Special Topics in Public Health: Health and Literacy; (3 credits) Grade Method: REG/AUD.

0101	Bonnie Braun, Alice Horowitz Th 4:00pm - 7:00pm	Seats (Total: 15) SPH 2367

STAT Statistics and Probability Fall 2010

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of Math Department based on satisfactory score on MATHEMATICS PLACEMENT EXAM; or MATH110, MATH112, MATH113, or MATH115. Not open to students who have completed MATH111 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Irene Kyza MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0304
0102	Earnest Harrison MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0307
0103	Casey Cremins MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0409
0104	Walter Ray-Dulany MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0106
0105	Ran Ji MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0303
0106	Gregory Laun MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0201
0107	Jonathan Cohen MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH B0423
0201	Irene Kyza MWF 2:00pm - 2:50pm	Seats (Total: 32) ARM 0103
0202	Earnest Harrison MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0306
0203	Zi Ding MWF 2:00pm - 2:50pm	Seats (Total: 35) PHY 1204

0204	Walter Ray-Dulany MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0101	
0205	Ran Ji MWF 2:00pm - 2:50pm	Seats (Total: 34) MTH 0303	
0206	Gregory Laun MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0423	
0207	Jonathan Cohen MWF 2:00pm - 2:50pm	Seats (Total: 32) ARM 0105	

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH 141 or equivalent. Not acceptable toward graduate degrees in STAT, AMSC, or MATH. Credit will be granted for only one of the following: BMGT231, ENEE324 or STAT400. These courses are not interchangeable. Consult your program requirements or advisor for what is acceptable toward your program of study. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Sandra Cerrai TuTh 11:00am - 12:15pm M 8:00am - 9:15am	Seats (Total: 27) ARM 0131 MTH 0105	Discussion
0112	Sandra Cerrai TuTh 11:00am - 12:15pm M 8:00am - 9:15am	Seats (Total: 27) ARM 0131 MTH 0411	Discussion
0121	Sandra Cerrai TuTh 11:00am - 12:15pm M 9:30am - 10:45am	Seats (Total: 27) ARM 0131 MTH 0105	Discussion
0131	Sandra Cerrai TuTh 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 27) ARM 0131 MTH 0104	Discussion

0211	Frances Gulick TuTh 12:30pm - 1:45pm W 11:00am - 12:15pm	Seats (Total: 27) ARM 0131 MTH 0103	Discussion
0212	Frances Gulick TuTh 12:30pm - 1:45pm W 11:00am - 12:15pm	Seats (Total: 27) ARM 0131 MTH 0104	Discussion
0221	Frances Gulick TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 27) ARM 0131 MTH 0302	Discussion
0222	Frances Gulick TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 27) ARM 0131 MTH 0305	Discussion
0231	Frances Gulick TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 27) ARM 0131 MTH 0302	Discussion
0232	Frances Gulick TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 27) ARM 0131 MTH 0305	Discussion

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 (Not acceptable toward graduate degrees in STAT, AMSC, or MATH). Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Eric Slud MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0411	

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as SURV410. Credit will be granted for only one of the following: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 32) EGR 0135
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 34) MTH 0304

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 or permission of instructor. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Benjamin Kedem MWF 11:00am - 11:50am	Seats (Total: 30) HBK 0115

STAT440 **Sampling Theory**

STAT440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Also offered as SURV440. Credit will be granted for only one of the following: STAT440 or SURV440. Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.

0101	Eric Slud MW 5:00pm - 6:15pm	Seats (Total: 30) MTH 0101

STAT464 **Introduction to Biostatistics**

STAT464 Introduction to Biostatistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: One semester of calculus. Not acceptable for credit towards degrees in mathematics or statistics. Junior standing.* Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Casey Cremins	Seats (Total: 38)
	TuTh 2:00pm - 3:15pm	ARM 0105

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT600 **Probability Theory I**

STAT600 Probability Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410.* Probability space, classes of events, construction of probability measures. Random variables, convergence theorems, images of measures. Independence. Expectation and moments, Lebesque integration, spaces, Radon-Nikodym and LP theorem, singular and absolutely continuous measures. Conditional expectations, existence of regular distributions, applications. Probabilities on product spaces, Fubini theorem, Kolmogorov extension theorem, Tulcea product theorem.

0101	Leonid Koralov	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	MTH 1311

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698A **Selected Topics in Probability**

STAT698A Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698G **Selected Topics in Probability; Stochastic Differential Equations**

STAT698G Selected Topics in Probability: Stochastic Differential Equations; (1-4 credits) Grade Method: REG/AUD.

0101	Mark Freidlin	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 1313

STAT700 **Mathematical Statistics I**

STAT700 Mathematical Statistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410 or equivalent.* Sampling distributions including noncentral chi-squared, t, F. Exponential families, completeness. Sufficiency, factorization, likelihood ratio. Decision theory, Bayesian methods, minimax principle. Point estimation. Lehmann-Scheffe and Cramer-Rao theorems. Set estimation. Offered fall only.

0101	Abram Kagan	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	MTH 0307

STAT705 **Computational Statistics**

STAT705 Computational Statistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 420 or STAT 700. Recommended: Some programming experience (any language). Credit will be granted for only one of the following: STAT 705 or STAT 798C. Formerly STAT798C.* Modern methods of computational statistics and their application to both practical problems and research. S-Plus and SAS programming with emphasis on S-Plus. S-Plus objects and functions, and SAS procedures. Topics include data management and graphics, Monte Carlo and simulation, bootstrapping, numerical optimization in statistics, linear and generalized linear models, nonparametric regression, time series analysis.

0101	Benjamin Kedem	Seats (Total: 27)
	MWF 9:00am - 9:50am	MTH 1311

STAT740 **Linear Statistical Models I**

STAT740 Linear Statistical Models I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 420 or STAT 700.* Least squares, general linear models, estimability and Gauss-Markov theorem. Simple and multiple linear regression, analysis of residuals and diagnostics, polynomial models, variable selection. Qualitative predictors, one and two way analysis of variance, multiple comparisons, analysis of covariance. Nonlinear least squares. High-level statistical computer software will be used for data analysis throughout the course.

0101	Paul Smith	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 1313

STAT798A **Selected Topics in Statistics**

STAT798A Selected Topics in Statistics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Fall 2010

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240; and MATH241 or permission of department. Also offered as STAT410. Credit will be granted for only one of the following: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems. Also offered as STAT 410.

0101	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 32) EGR 0135
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 34) MTH 0304

SURV440 **Sampling Theory**

SURV440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Not open to students who have completed STAT440. Simple random sampling, sampling for proportions, estimation of sample size, sampling with varying probabilities of selection, stratification, systematic selection, cluster sampling, double sampling, and sequential sampling. Class will meet at the Census Bureau and BLS.

0101	Eric Slud MW 5:00pm - 6:15pm *Also offered as STAT440.*	Seats (Total: 30) MTH 0101
0201	James Lepkowski **Meets September 6, 2010 - December 10, 2010** MW 1:00pm - 2:30pm	Seats (Total: 20) LEF 1208
SV01	Partha Lahiri W 1:00pm - 3:30pm *Class will meet at Census Bureau Training Room 10 and Bureau of Labor Statistics Conference Center Room 10.*	Seats (Total: 20) Location: TBA

SURV615 **Statistical Methods I**

SURV615 Statistical Methods I; (3 credits) Grade Method: REG/AUD.
Prerequisite: two course sequence in probability and statistics or equivalent. First course in a two term sequence in applied statistical methods covering topics such as regression, analysis of variance, categorical data, and survival analysis. It runs concurrently with the University of Michigan course.

0101	James Wagner, Sunghee Lee **Meets September 8, 2010 - December 16, 2010** W 3:30pm - 6:10pm	Seats (Total: 20) LEF 1208

SURV623 **Data Collection Methods in Survey Research**

SURV623 Data Collection Methods in Survey Research; (3 credits) Grade Method: REG/AUD.
Review of alternative data collection methods used in surveys, concentrating on the impact these techniques have on the quality of survey data, including measurement error properties, levels of nonresponse and coverage error. Reviews of the literature on major mode comparisons (face-to-face interviewing, telephone survey and self-administered questionnaires), and alternative collection methods (diaries, administrative records, direct observation, etc.). The statistical and social science literatures on interviewer effects and nonresponse, and current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).

0101	Frederick Conrad **Meets September 13, 2010 - December 10, 2010** M 1:00pm - 3:30pm	Seats (Total: 25) LEF 1218
0201	Douglas Currivan **Meets August 30, 2010 - December 9, 2010** Tu 3:30pm - 6:15pm	Seats (Total: 20) LEF 1218

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	David Cantor, Rachel Caspar	Seats (Total: 20)
	F 1:00pm - 4:00pm	LEF 1208

SURV632 **Social and Cognitive Foundations of Survey Measurement**

SURV632 Social and Cognitive Foundations of Survey Measurement; (3 credits) Grade Method: REG/AUD.
Major sources of survey error-such as reporting errors and nonresponse bias-from the perspective of social and cognitive psychology and related disciplines. Topics: psychology of memory and its bearing on classical survey issues (e.g., underreporting and telescoping); models of language use and their implications for the interpretation and misinterpretation of survey questions; and studies of attitudes, attitude change, and their possible application to increasing response rates and improving the measurement of opinions. Theories and findings from the social and behavioral sciences will be explored.

0101	Roger Tourangeau	Seats (Total: 20)
	Meets September 8, 2010 - December 10, 2010	
	W 10:00am - 12:30pm	LEF 1208

SURV641 **Survey Practicum II**

SURV641 Survey Practicum II; (2 credits) Grade Method: REG.
Prerequisite: SURV620. SURV620 and SURV641 must be taken in consecutive semesters. For SURV majors only. Credit will be granted for only one of the following: SURV621 or SURV641. Formerly SURV621. Second part of applied workshop in sample survey design. Course focus on post data collection process of data processing, editing and anlysis.

0101	Katharine Abraham Tu 3:30pm - 5:30pm	Seats (Total: 20) LEF 2208

SURV650 **Economic Measurement**

SURV650 Economic Measurement; (3 credits) Grade Method: REG/AUD. *Prerequisite: One coure in intermediate microeconomics. Credit will be granted for only one of the following: SURV650 or SURV699L. Formerly SURV699L.* An introduction to the field of economic measurement. Sound economic data are of critical importance to policymakers, the business community, and others. Emphasis is placed on the economic concepts that underlie key economic statistics and the translation of those concepts into operational measures. Topics addressed include business survey sampling; the creation of business survey sampling frames; the collection of data from businesses; employment and earnings statistics; price statistics; output and productivity measures; the national accounts; and the statistical uses of administrative data. Lectures and course readings assume prior exposure to the tools of economic analysis. Class will meet at the bureau of Labor Statistics.

SV01	Katharine Abraham W 9:30am - 12:10pm	Seats (Total: 25) Location: TBA
	Class will meet at the Bureau of Labor and Statistics Conference Center Room 7&8.	

SURV672 **Introduction to the Federal Statistical System and the Survey Research Profession**

SURV672 Introduction to the Federal Statistical System and the Survey Research Profession; (1 credit) Grade Method: S-F. *Restricted to JPSM degree seeking student. Formerly:SURV670 and SURV671. Credit will be granted for only one of the following: SURV670 and SURV671; or SURV672.* The U.S. statistical system and its goals are reviewed. The federal statistical agencies are described, and their primary missions and data collections are examined. The statistical systems of other countries are compared with the U.S. system. Organizational and budgetary aspects are presented. Students will learn about organizations and groups outside of the Federal Statistical System that affect the actions of the System. These include other governmental units, professional associations, and advisory groups created by the agencies themselves. Students will review current laws regarding privacy and confidentiality affecting government agency work and consider a variety of ethical issues confronting government statisticians.

0101	Frauke Kreuter Tu 6:30pm - 7:30pm	Seats (Total: 20) LEF 2208

SURV699 **Special Topics in Survey Methodology; Reading in Survey Methodology**

SURV699 *(PermReq)* **Special Topics in Survey Methodology: Reading in Survey Methodology; (1-3 credits)** Grade Method: REG/AUD.

0101	Roger Tourangeau Contact instructor or department for details.	Seats (Total: 10)
0201	Robert Croninger Contact instructor or department for details.	Seats (Total: 10)

SURV699E **Special Topics in Survey Methodology; Practical Tools for Sampling and Weighting**

SURV699E Special Topics in Survey Methodology: Practical Tools for Sampling and Weighting; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV 440, SURV 625, or permission of instructor. This course will be a combination of hands-on applications and general review of the theory and methods behind different approaches to sampling and weighting. Several survey data sets will be used to illustrate how to design samples, calculate weights, and make estimates from complex surveys. Click here for more course information.

0101	Richard Valliant **Meets September 9, 2010 - December 12, 2010** Th 3:30pm - 6:10pm	Seats (Total: 20) LEF 2208
SV01	Richard Valliant **Meets September 9, 2010 - December 12, 2010** Th 3:30pm - 6:10pm *Class meets at the Census Bureau located in Suitland, MD.*	Seats (Total: 15) Location: TBA

SURV701 **Analysis of Complex Sample Data**

SURV701 Analysis of Complex Sample Data; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV 625. Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation. It runs concurrently with the University of Michigan course.

0101	Steven Heeringa **Meets September 9, 2010 - December 10, 2010** Th 12:30pm - 3:00pm	Seats (Total: 10) LEF 1208
SV01	Steven Heeringa **Meets September 9, 2010 - December 10, 2010** Th 12:30pm - 3:00pm *Class will meet at the Census Bureau.*	Seats (Total: 10) Location: TBA

SURV720 **Total Survey Error I**

SURV720 Total Survey Error I; (2 credits) Grade Method: REG/AUD.
Prerequisite: SURV625 Restricted to degree seeking in JPSM or permission of instructor. Credit will be granted for only one of the following: SURV720 and SURV721; or SURV723. Formerly SURV723. Total error structure of sample survey data, reviewing current research findings on the magnitudes of different error sources, design features that affect their magnitudes, and interrelationships among the errors. Coverage, nonresponse, sampling, measurement, and postsurvey processing errors. For each error source reviewed, social science theories about its causes and statistical models estimating the error source are described. Empirical studies from the survey methodological literature are reviewed to illustrate the relative magnitudes of error in different designs. Emphasis on aspects of the survey design necessary to estimate different error sources. Relationships to show how attempts to control one error source may increase another source. Attempts to model total survey error will be presented. It runs concurrently with the University of Michigan course.

0101	Roger Tourangeau **Meets September 7, 2010 - December 10, 2010** Tu 6:00pm - 8:40pm	Seats (Total: 20) LEF 1208

SURV722 **Randomized/Nonrandomized Design**

SURV722 Randomized/Nonrandomized Design; (3 credits) Grade Method: REG/AUD.
Research designs from which causal inferences are sought. Classical experimental design will be contrasted with quasi-experiments, evaluation studies, and other observational study designs. Emphasis placed on how design features impact the nature of statistical estimation and inference from the designs. Issues of blocking, balancing, repeated measures, control strategies, etc. Click Here More Information

0101	Frauke Kreuter **Meets September 8, 2010 - December 16, 2010** W 3:30pm - 5:40pm	Seats (Total: 20) LEF 2208

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Michael Elliot, Frauke Kreuter **Meets September 9, 2010 - December 7, 2010** W 10:00am - 12:30pm	Seats (Total: 5) LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET Theatre Fall 2010

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Korey Rothman MW 2:00pm - 3:15pm	Seats (Total: 180) HJP 0226	
0201	Korey Rothman MW 3:30pm - 4:45pm	Seats (Total: 180) HJP 0226	

THET114 **Fundamentals of Theatre Craft**

THET114 Fundamentals of Theatre Craft; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET273, THET373, or THET284. Prerequisite: For Theatre majors or permission of department. Freshman standing. An introduction in basic theatre technology and craftsmanship. Students will learn the process of realizing a theatrical production through classroom instruction and participation in a University production.

0101	David Kriebs MW 3:00pm - 3:50pm F 2:00pm - 5:00pm	Seats (Total: 25) PAC 1815 PAC 1702	 Lab

THET116 **Fundamentals of Theatrical Design**

THET116 Fundamentals of Theatrical Design; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THE273, THET373, or THET284. Prerequisite: Theatre Majors or permission of department. Recommended: THET220 or THET222. Freshman standing. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Ariel Benjamin, Chelsey Schuller	Seats (Total: 20)	
	TuTh 3:30pm - 5:20pm	PAC 2733	

THET210 **Movement for Actors**

THET210 *(PermReq)* **Movement for Actors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115, and THET116. Not open to students who have completed 60 credits or THET421. Credit will be granted for only one of the following: THET210 or THET421. Formerly THET421. Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

0101	Izumi Ashizawa	Seats (Total: 14)	
	TuTh 10:30am - 12:15pm	PAC 3736	

THET222 **Foundations of Acting and Performance**

THET222 *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credits completed. Formerly THET112, THET220 and THET288. Credit will be granted for only one of the following: THET222; or (THET112, THET220, and THET288). Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Gwynne Flanagan	Seats (Total: 20)	
	MW 10:00am - 11:50am	PAC 3736	Lab

0201	Walter Dallas MW 1:00pm - 2:50pm	Seats (Total: 20) PAC 3736	Lab
0301	Mary Coy MW 1:00pm - 2:50pm	Seats (Total: 20) PAC 1809	Lab

THET223 **Text and Context in Western Theatre**

THET223 *(PermReq)* **Text and Context in Western Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credit hours completed. Formerly: THET113 and THET115. Credit will be granted for only one of the following: THET223; or (THET113 and THET115). Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0101	Ashley Derr TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1815
0102	Erin Steele TuTh 9:30am - 10:45am	Seats (Total: 25) PAC 1815

THET250 **American Musical Theatre and Popular Culture**

THET250 American Musical Theatre and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: THET250 or THET350. Formerly THET350. An exploration of the complicated history of some of America's most popular entertainments from learned pig shows, to vaudeville, to musical theatre. It connects the history of America's diverse racial and ethnic communities to the evolution of forms like minstrelsy, Wild West Shows, and showboat theatre. It also traces the history of our most popular and enduring art form--the musical comedy--from the Ziegfeld Follies to Rent and beyond.

0101	Tracey Chessum MW 12:00pm - 1:15pm	Seats (Total: 20) PAC 3732

THET284 **Stage Costume Construction I**

THET284 *(PermReq)* **Stage Costume Construction I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: THET284 or THET486. Formerly THET486. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. Flat pattern development, corset construction, theatrical sewing techniques and organization of the costume construction process.

0101	Susan Chiang	Seats (Total: 12)	
	MW 9:00am - 11:50am	PAC 3749	Lab

THET286 **Experiential Learning I**

THET286 *(PermReq)* **Experiential Learning I; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112,THET113,THET114,THET115,THET116 and permission of department. Sophomore standing. Not open to THET students who have completed THET386. Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0210	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0301	Leigh Smiley Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
0401	Scot Reese Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
0501	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
0601	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)

0901	Mitchell Hebert Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
1301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
1801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2001	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)
2007	Cary Gillett Contact instructor or department for details.	Seats (Total: 5)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET290 **American Theatre 1750 to 1890**

THET290 American Theatre 1750 to 1890; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.
Formerly THET310. Traces the evolution of the American theatre from its beginning through 1890, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture.

0101	Heather Nathans MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) TYD 1101 TYD 2110	Discussion
0102	Heather Nathans MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 1101 TYD 1114	Discussion
0104	Heather Nathans MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1101 TYD 1108	Discussion

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Sophomore standing. Not open to students who have completed THET221. Credit will be granted for only one of the following: THET221 or THET310. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Mary Coy MW 10:00am - 11:50am	Seats (Total: 12) PAC 3732	Lab

THET324 **Character Development**

THET324 *(PermReq)* **Character Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Junior standing. Not open to students who have completed THET320. European-based physical approach to acting. Primary focus on character development, may include creating original characters and learning how to bring to life an already scripted character. Techniques to explore the soul and psychology of characters and their physical qualities, voice, rhythm and movement.

0101	Leslie Felbain TuTh 1:30pm - 3:15pm	Seats (Total: 12) PAC 3736	Lab

THET371 **Scenic Design I**

THET371 *(PermReq)* **Scenic Design I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: THET112, THET113, THET114, THET115, THET116, THET273, and THET288; or permission of department. Credit will be granted for only one of the following: THET371 or THET375. Formerly THET375.* A study of design theory and style. Methods and techniques of coordination of all elements of scenic design for theatre.

0101	Mikhail Kachman	Seats (Total: 8)
	MW 1:00pm - 2:50pm	PAC 2733

THET373 **Rendering for the Theatre I**

THET373 *(PermReq)* **Rendering for the Theatre I; (3 credits)** Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET116. Prerequisite: permission of department. Credit will be granted for only one of the following: THET373 or THET484. Formerly THET484. A study in the techniques and tools of drawing and painting. It is designed for the student to develop rendering and drawing skills for theatrical design presentation.

0101	Helen Huang	Seats (Total: 10)
	MW 10:00am - 11:50am	PAC 2733

THET377 **Lighting Design I**

THET377 *(PermReq)* **Lighting Design I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET112, THET113, THET114, THET115, THET116, THET273, and THET288; or permission of department. Credit will be granted for only one of the following: THET377 or THET476. Formerly THET476.* A study of the theories of electrification, instruments, design, color, and control for the stage. Practical work on productions.

0101	Brian MacDevitt	Seats (Total: 14)
	MW 3:00pm - 4:50pm	PAC 2733

THET386 **Experiential Learning**

THET386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET399D **Independent Study; History of Directing**

THET399D Independent Study: History of Directing; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jessica Holman	Seats (Total: 25)
	MW 1:00pm - 2:15pm	PAC 1815

THET399F **Independent Study; Modern British Theatre**
Contact department for information to register for this course.

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399I **Independent Study; Playwriting**

THET399I *(PermReq)* **Independent Study: Playwriting; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Walter Dallas	Seats (Total: 12)
	MW 10:00am - 11:15am	PAC 1815

THET399J **Independent Study; Alexander Technique**

THET399J *(PermReq)* **Independent Study: Alexander Technique; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Leslie Felbain TuTh 9:00am - 9:50am Contact instructor or department for details.	Seats (Total: 10) PAC 3732

THET399W **Independent Study; The London Stage**
Contact department for information to register for this course.

THET411 **Voice for the Actor II**

THET411 *(PermReq)* **Voice for the Actor II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115, THET116, THET288, an audition, and permission of department. Junior standing. Credit will be granted for only one of the following: THET311, THET411 or THET499L. Formerly THET311. Learn the International Phonetic Alphabet (IPA) and apply to exploration of sound and language. Designed to increase voice and speech awareness, and create a base knowledge from which to approach any accent or dialect.

0101	Leigh Smiley TuTh 10:00am - 11:50am	Seats (Total: 12) PAC 3732

THET424 **Movement II: Advanced Studies in Movement for the Actor**

THET424 *(PermReq)* **Movement II: Advanced Studies in Movement for the Actor; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310, and either THET324 or THET325, an audition and permission of department. Junior standing. A deeper exploration of how to use the actor's instrument for dramatic expression. Continuing work in the F.M. Alexander Technique and foundational exercise to help actors learn what they need to prepare for rehearsal and performance. Other techniques may include theatrical styles, physical character, dramatic use and play with space and rhythm and masks.

0101	Leslie Felbain TuTh 10:30am - 12:15pm	Seats (Total: 12) PAC 2740

THET425 **Actor's Process II**

THET425 *(PermReq)* **Actor's Process II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET310, and either THET324 or THET325, an audition, and permission of department.* A deeper exploration of the work begun in THET325. A continuation of creating a personal process through which the actor can confidently approach any genre of play. Special focus on status and subtext and the world of the playwright.

0101	Mitchell Hebert	Seats (Total: 12)
	MW 10:00am - 11:50am	PAC 3730

THET429 **Actor's Studio**

THET429 *(PermReq)* **Actor's Studio; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET451 **Musical Theatre Workshop I**

THET451 *(PermReq)* **Musical Theatre Workshop I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: audition and permission of department. Development of the ability to move, act and express through the media of lyric and music.

0101	Scot Reese	Seats (Total: 14)
	M 3:00pm - 6:00pm	PAC 2740

THET457 **Advanced Lighting Technology**

THET457 *(PermReq)* **Advanced Lighting Technology; (3 credits)** Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET116. Prerequisite: THET377. Sophomore standing. Technological innovations such as moving lights, color changers, and LED are studied from the lighting designer's perspective. Students will have the opportunity to use the equipment in the lighting lab.

0101	Kyle Kweder	Seats (Total: 10)
	TuTh 1:30pm - 3:15pm	PAC 3731

THET465 **History of Fashion for the Theatre**

THET465 *(PermReq)* **History of Fashion for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116, or permission of instructor. Sophomore standing. A survey of Western clothing from the Ancient Worlds through 20th Century. A discussion of the cultural contexts of various trends in fashion through an examination of art, industry and textiles.

0101	Mikhail Kachman	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2804

THET471 **Design Studio in Scenery**

THET471 *(PermReq)* **Design Studio in Scenery; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET371 and permission of department. Also offered as THET639. Credit will be granted for only one of the following: THET471 or THET639. Advanced study of scenic design for the theatre. Particular design projects will vary. Also offered as THET639.

0101	Daniel Conway	Seats (Total: 6)
	MW 10:00am - 11:50am	PAC 2755

THET474 **Stage Management**

THET474 *(PermReq)* **Stage Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Four of the five fundamental courses (THET112, THET113, THET114, THET115, THET116) and permission of instructor. Sophomore standing. Intensive practical study of the techniques and procedures for stage management.

0101	Cary Gillett	Seats (Total: 12)
	MW 1:00pm - 3:00pm	PAC 2804

THET479 **Production Practicum; Theater Workshop II**

THET479 *(PermReq)* **Production Practicum: Theater Workshop II; (1-3 credits)** Grade Method: REG.

1001	Cary Gillett	Seats (Total: 20)
	Contact instructor or department for details.	

1002	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
1003	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
1004	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
2001	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
2002	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
2004	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
2005	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)
2006	Cary Gillett Contact instructor or department for details.	Seats (Total: 20)

THET481 **Theatre Graphics II: Computer Assisted Design**

THET481 *(PermReq)* **Theatre Graphics II: Computer Assisted Design; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: THET114, THET116, THET273, and permission of department. Sophomore standing. Study and practical application of computer generated graphical design for use in theatrical production.

0101	Daniel Conway TuTh 9:30am - 10:45am	Seats (Total: 7) PAC 2727

THET488A **Special Topics in Theatre History Before 1800; Theatre Architecture from the Minoans to the Baroque**

THET488A *(PermReq)* **Special Topics in Theatre History Before 1800: Theatre Architecture from the Minoans to the Baroque; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered THET698A.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET489C **Subversive Culture**

THET489C *(PermReq)* **Subversive Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Laurie Frederik Meer MW 11:30am - 12:45pm	Seats (Total: 20) PAC 1815

THET499 **Independent Study**

THET499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 10)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 10)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 10)
1101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 10)
1501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 10)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
2007	Cary Gillett Contact instructor or department for details.	Seats (Total: 10)
2009	Izumi Ashizawa Contact instructor or department for details.	Seats (Total: 5)
2301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET499B **Independent Study; FIGURE DRAWING**

THET499B *(PermReq)* **Independent Study: FIGURE DRAWING; (3 credits)** Grade Method: REG/AUD.

0101	Raye Leith F 9:00am - 11:50am	Seats (Total: 2) PAC 2740

THET499Y **Independent Study; The London Stage**
Contact department for information to register for this course.

THET604 **History and Theory of Performance**

THET604 History and Theory of Performance; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The notion of performance as trope, as practice, and now as interdisciplinary field of study is everywhere in critical discourse today. This seminar invites students to explore histories and theories of performance from Aristotle to present day.

0101	Derek Goldman Th 2:00pm - 5:00pm	Seats (Total: 10) PAC 1809

THET606 **Teaching Theatre**

THET606 Teaching Theatre; (1 credit) Grade Method: REG/AUD.
Strategies and materials for teaching a typical introductory course in theatre, with emphasis on specific problems of classroom instruction (e.g., creating a supportive climate, promoting active learning by students, constructing appropriate tests, adapting methods to content, and resolving discipline problems).

0101	Franklin Hildy Tu 3:00pm - 3:50pm	Seats (Total: 10) PAC 2804
0102	Scot Reese Th 1:00pm - 2:00pm	Seats (Total: 10) PAC 1809

THET608P **Seminar: Theory and Performance Studies; Performance, Art, and the Politics of Identity**

THET608P Seminar: Theory and Performance Studies: Performance, Art, and the Politics of Identity; (3 credits) Grade Method: REG.
Also offered as ARTT489B.

0101	Jeffrey Pinder, Laurie Frederik Meer W 1:30pm - 4:30pm	Seats (Total: 8) PAC 3730

THET610 **The American Theatre**

THET610 The American Theatre; (3 credits) Grade Method: REG/AUD.
Recommended: THET 600. The American theatre from 1750 to 1950, including position of the theatre in the culture, its typical features, and major artists.

0101	Heather Nathans	Seats (Total: 10)
	W 4:00pm - 6:40pm	PAC 2804

THET620 **Performance Studio 1**

THET620 Performance Studio 1; (6 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Students will develop a common performance vocabulary examining the basic elements of the craft of acting and vocal training.

0101	Mitchell Hebert, Izumi Ashizawa, Leigh Smiley	Seats (Total: 10)
	M 1:00pm - 4:00pm	PAC 3730
	Tu 1:30pm - 5:30pm	PAC 2740
	F 10:00am - 12:00pm	PAC 3730
	W 1:00pm - 5:00pm	PAC 2740

THET639 **Advanced Design Studio in Scenery**

THET639 Advanced Design Studio in Scenery; (3 credits) Grade Method: REG/AUD.
Also offered as THET471.

0101	Daniel Conway	Seats (Total: 4)
	MW 10:00am - 11:50am	PAC 2755

THET649 **Advanced Design Studio in Costume**

THET649 Advanced Design Studio in Costume; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang	Seats (Total: 12)
	MW 1:00pm - 2:50pm	PAC 2755

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Brian MacDevitt	Seats (Total: 15)
	Contact instructor or department for details.	

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669A **Independent Study; History of Fashion for the Theatre**

THET669A Independent Study: History of Fashion for the Theatre; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Kachman	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2804

THET669F **Independent Study; Figure Drawing**

THET669F *(PermReq)* **Independent Study: Figure Drawing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Raye Leith	Seats (Total: 9)
	F 9:00am - 11:50am	PAC 2740

THET687 **History of Performance Theory: 1960 to the Present**

THET687 History of Performance Theory: 1960 to the Present; (3 credits) Grade Method: REG.
Recommended: THET600 or THET700. The third in a sequence of seminars on the history of dramatic and performance theory. Focusing primarily on the European and American avant-gardes, this course examines the development of performance theory and practice from the Absurd to the present.

0101	Catherine Schuler Tu 4:00pm - 6:30pm	Seats (Total: 10) PAC 2804

THET698A **Seminar: Theatre History; Theatre Architecture from the Minoans to the Baroque**

THET698A *(PermReq)* **Seminar: Theatre History: Theatre Architecture from the Minoans to the Baroque; (3 credits)** Grade Method: REG/AUD.
Also offered as THET488A.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET700 **Introduction to Doctoral Studies in Theatre**

THET700 *(PermReq)* **Introduction to Doctoral Studies in Theatre; (3 credits)** Grade Method: REG/AUD.
Prerequisite: admission to the Ph.D. program in theatre. Basic skills in theatre research.

0101	Franklin Hildy M 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET711 **Critical Theory: Methods and Concepts**

THET711 Critical Theory: Methods and Concepts; (3 credits) Grade Method: REG.
Prerequisite: THET700 and permission of instructor. Recommended: THET712. A doctoral methods course. Major developments in modern and postmodern critical theory with particular emphasis on application to the fields of Theatre and Performance Studies.

0101	Catherine Schuler Th 4:00pm - 6:30pm	Seats (Total: 10) PAC 2804

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TOXI Toxicology Fall 2010

TOXI609 **Methods in Toxicology**

TOXI609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD.

0101	Judd Nelson	Seats (Total: 5)
	Contact instructor or department for details.	

UMEI Maryland English Institute Fall 2010

UMEI001 **English as a Foreign Language: Beginning**

UMEI001 English as a Foreign Language: Beginning; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nina Liakos, Caralyn Bushey	Seats (Total: 15)
	Meets September 1, 2010 - December 9, 2010	
	MWF 9:00am - 11:50am	ARC 1125
	TuTh 9:00am - 11:50am	BPS 1236
	MTuWThF 1:00pm - 2:50pm	JMZ 1211

UMEI002 **English as a Foreign Language: Intermediate I**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Annelies Galletta, Diego Hernandez	Seats (Total: 15)
	Meets September 1, 2010 - December 9, 2010	
	MTuWThF 9:00am - 11:50am	ARM 0102
	MTuWThF 1:00pm - 2:50pm	ARM 0102

UMEI003 **English as a Foreign Language: Intermediate II**

UMEI003 English as a Foreign Language: Intermediate II; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Diego Hernandez, Raymond Smith	Seats (Total: 20)
	Meets September 1, 2010 - December 9, 2010	
	MTuWThF 9:00am - 11:50am	ARM 0118
	MTuWThF 1:00pm - 2:50pm	ARM 0118

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)**
Grade Method: S-F.
Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0201	Daniela Wagner-Loera, Nathanael Rudolph	Seats (Total: 20)
	Meets September 1, 2010 - December 9, 2010	
	MTuWThF 9:00am - 11:50am	ARM 0120
	MTuWThF 1:00pm - 2:50pm	ARM 0120
0301	Eric Walker, Kimberly Brown	Seats (Total: 20)
	Meets September 1, 2010 - December 9, 2010	
	MWF 9:00am - 11:50am	COL 3109
	TuTh 9:00am - 11:50am	COL 3109
	MWF 1:00pm - 2:50pm	COL 3109
	Th 1:00pm - 2:50pm	PLS 1168
	Tu 1:00pm - 2:50pm	EGR 3102

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0501	Caralyn Bushey MWF 9:00am - 10:50am TuTh 9:00am - 10:50am	Seats (Total: 16) ARM 0121 CHM 0122
0701	Charles Duquette MTuWThF 1:00pm - 3:00pm	Seats (Total: 16) MTH 2300

UMEI006 **English Pronunciation**

UMEI006 *(PermReq)* **English Pronunciation; (2 credits)** Grade Method: S-F.

Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0201	Nina Liakos TuTh 1:00pm - 2:30pm	Seats (Total: 16) ARM 0101

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.

Open to graduate students only. Special fee. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Susan Gould MW 9:00am - 10:50am	Seats (Total: 16) COL 0102

0201	Susan Gould WF 1:00pm - 2:50pm	Seats (Total: 16) ARM 0121
0301	Eric Walker TuTh 3:30pm - 5:20pm	Seats (Total: 16) EGR 1102

UMEI008 **Advanced Oral Communication Skills**

UMEI008 Advanced Oral Communication Skills; (2 credits) Grade Method: S-F.

0101	Diego Hernandez MW 3:15pm - 5:15pm	Seats (Total: 20) KEY 0121

UNIV University Courses Fall 2010

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F. Permission required. Obtain signature and more information at the Career Center, 3100 Hornbake Library, South Wing.

0101	Adam Knatz Contact instructor or department for details.	Seats (Total: 90)

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored. Previously offered as EDCP 108O. t

0201	Klihsree Myat M 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) TYD 2108

0202	Kimberly Bethke M 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) JMZ 1117
0203	Marcia Marinelli W 3:00pm - 4:50pm *For Psychology majors only.*	Seats (Total: 20) BPS 1234
0204	Paulanne Walker, Juan Romero Tu 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) MTH 0106
0205	Marcia Marinelli Th 10:00am - 11:50am *For Psychology majors only.*	Seats (Total: 20) EDU 2101
0206	Karmin Cortes Th 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) ARM 0116
0207	Rosalyn Anderson-Howell Tu 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) TLF 2103
0208	David Barnes W 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) LEF 1201
0209	TC Lloyd Tu 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) HBK 1112
0301	Dian Squire Tu 9:30am - 11:20am *For Lesbian, Gay, Bisexual, Transgender, Queer, and Ally students.*	Seats (Total: 20) BPS 1234
0302	Dian Squire W 10:00am - 11:50am *For Lesbian, Gay, Bisexual, Transgender, Queer, and Ally students.*	Seats (Total: 20) COL 0100

0402	Jameel Scott W 2:00pm - 3:50pm *Restricted to Computer, Mathematical and Physical Sciences students.*	Seats (Total: 25) PLS 1111
0501	Janis Cornell-DeMoss Th 1:00pm - 2:50pm *Restricted to students in Education.*	Seats (Total: 20) EDU 0220
0503	Kathryn Weiland W 11:00am - 12:50pm	Seats (Total: 12) EDU 0220
0601	LaWanda Kamalidiin W 5:00pm - 6:50pm *Restricted to Engineering Bridge Program Participants.*	Seats (Total: 17) PLS 1172
0604	DaFran Ware Th 2:00pm - 3:50pm *Restricted to freshmen in the A. James Clark School of Engineering*	Seats (Total: 20) MTH 1311
0701	Clare Boyle W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1176
0702	Olive Reid W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1164
0801	Theresa Bevilacqua **Meets August 30, 2010 - December 3, 2010** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1168
0802	Thomas Steen **Meets August 30, 2010 - December 3, 2010** Th 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1158

0803	Kaye Guidugli **Meets August 30, 2010 - December 3, 2010** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) SYM 0215
0804	Gregory Shaffer **Meets August 30, 2010 - December 3, 2010** M 12:00pm - 1:50pm *Restricted to First Semester Letters and Sciences Students interested in Pre-law.*	Seats (Total: 20) PLS 1115
0805	Shaunna Payne Gold **Meets August 30, 2010 - December 3, 2010** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1146
0806	Katherine McAdams **Meets August 30, 2010 - December 3, 2010** W 3:30pm - 5:20pm *Restricted to First Semester, First Generation College Students (stude ts who are the first member of their family to attend college).*	Seats (Total: 20) PLS 1117
0807	LaChelle Stamps **Meets August 30, 2010 - December 3, 2010** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1168
0808	Brent Dockter **Meets August 30, 2010 - December 3, 2010** Tu 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) ASY 3217

0809	Julie Sass **Meets August 30, 2010 - December 3, 2010** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students interested i Pre-Law.*	Seats (Total: 20) EGR 0110
0811	Erin Knepler **Meets August 30, 2010 - December 3, 2010** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1172
0812	Jennifer Runnels **Meets August 30, 2010 - December 3, 2010** Tu 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EGR 1102
0814	Robyn Baylor **Meets August 30, 2010 - December 3, 2010** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) ASY 3211
0815	Ana Sebescen **Meets August 30, 2010 - December 3, 2010** W 9:00am - 10:50am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EGR 1102
0820	Alison Stromberg, Sofia Nyamweya **Meets August 30, 2010 - December 3, 2010** Th 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EGR 1110

0822	Thomas Castillo **Meets August 30, 2010 - December 3, 2010** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1164
0823	Robyn Epstein **Meets August 30, 2010 - December 3, 2010** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 1108
0825	Amilcar Guzman **Meets August 30, 2010 - December 3, 2010** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences students.*	Seats (Total: 20) EGR 2154
0826	Evelyn Cooper **Meets August 30, 2010 - December 3, 2010** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1184
0841	Alyssa Seibert **Meets August 30, 2010 - December 3, 2010** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1162
0845	Carl Morrow **Meets August 30, 2010 - December 3, 2010** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1119

0850	Nichole Howe **Meets August 30, 2010 - December 3, 2010** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1164
0851	Neruh Ramirez **Meets August 30, 2010 - December 3, 2010** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0115
0852	Jabari Bodrick **Meets August 30, 2010 - December 3, 2010** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1162
0854	N Adaire Parker **Meets August 30, 2010 - December 3, 2010** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1119
0855	Steve Leonard **Meets August 30, 2010 - December 3, 2010** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0115
0858	Steve Mobley, William Bisese **Meets August 30, 2010 - December 3, 2010** W 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 26) HBK 0103
0902	Maraki Kebede M 3:00pm - 4:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) CHE 2116

0903	Lani Yap Tu 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) WDS 0104
0904	Rebecca Kenemuth Th 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) KEY 0125
0905	Cecilia Jordan Tu 11:00am - 12:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) HBK 0109
0906	Marsha Guenzler-Stevens Tu 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1146
0907	Millree Williams W 3:00pm - 4:50pm	Seats (Total: 20) PLS 1158
0908	Richard Medellin Th 12:00pm - 1:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) SYM 0209
0909	Megan Miller W 11:00am - 12:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1164
0910	Alicia Thomas M 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) TLF 1103
0912	Instructor: TBA W 12:00pm - 1:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 0) COL 0101
0914	Julie Grossman Th 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) WDS 1131

0915	Matthew Stahl M 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1111
0916	Sacared Bodison, Deirdre Younger Tu 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) MTH 0305
0917	Earlene Armstrong Contact instructor or department for details. *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 10)
0918	Ashley Adkins W 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) JMP 1109
0919	Joshua Hiscock Th 3:00pm - 4:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) CHE 2145
0920	Gene Ferrick Th 3:30pm - 5:20pm *Restricted to College Park Scholars - Life Sciences.*	Seats (Total: 20) CCC 1200
0921	Eden Garosi M 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) SYM 0209
0922	Christina Colasanto W 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) TYD 0102
1001	Heather Arianna MW 11:00am - 11:50am *Restricted to student-athletes.*	Seats (Total: 20) BPS 1232
1002	John Carson TuTh 11:00am - 11:50am *Restricted to student athletes.*	Seats (Total: 20) LEF 1220

1003	Donald Pearman TuTh 11:00am - 11:50am *Restricted to student athletes.*	Seats (Total: 20) EDU 0114
1004	Natasha Criss MW 10:00am - 10:50am *Restricted to student athletes.*	Seats (Total: 20) BPS 1238
1005	Jaison Freeman MW 9:00am - 9:50am *Restricted to student athletes.*	Seats (Total: 20) PLS 1158
1007	Laura Fellon TuTh 11:00am - 11:50am *Restricted to student athletes.*	Seats (Total: 20) MMH 0108
1101	Erin Caporellie Tu 9:00am - 10:50am *Restricted to Architecture majors.*	Seats (Total: 19) ARC 1121
1102	Erin Caporellie Th 2:00pm - 3:50pm *Restricted to Architecture majors.*	Seats (Total: 19) ARC 1123
1103	Erin Caporellie Tu 2:00pm - 3:50pm *Restricted to Architecture majors.*	Seats (Total: 19) PLS 1164
1201	Sandra Quinn F 11:00am - 12:15pm *Restricted to students in the School of Public Health.*	Seats (Total: 26) SPH 1302
1301	Ashlee Kerkhoff W 2:30pm - 4:20pm *Open to all Denton Community residents (Easton, Elkton and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for mor e information.*	Seats (Total: 20) EAS 0102

1302	Lisa Alexander Tu 2:15pm - 4:05pm	Seats (Total: 20) ELK 1125
	*Open to all Denton Community residents (Easton, Elkton and Denton Halls) as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for mo re information.*	
1303	Michael Perlmutter M 3:30pm - 5:20pm	Seats (Total: 20) EAS 0102
	*Open to all Denton Community residents (Easton, Elkton and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for more information.*	
1501	Leon Slaughter Th 2:00pm - 3:50pm	Seats (Total: 15) PLS 1164
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
1502	Michael Robinson Tu 4:00pm - 5:50pm	Seats (Total: 15) PLS 1164
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
1503	Tim Lapanne M 2:00pm - 3:50pm	Seats (Total: 15) JMP null
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
1601	Kristin Legg Tu 10:00am - 11:50am	Seats (Total: 20) ASY 3221
1701	Matthew Johnson Th 1:00pm - 3:00pm	Seats (Total: 20) SQH 2117
	This section is for Veteran students only.	
FC01	Natasha Criss M 7:30pm - 8:45pm	Seats (Total: 22) TYD 2110
	Restricted to students in Freshmen Connection.	
FC02	Heather Arianna Tu 3:00pm - 4:15pm	Seats (Total: 22) TYD 1114
	Restricted to students in Freshmen Connection.	

FC03	Natasha Criss Tu 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMZ 1117
FC04	Brian Watkins F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) SYM 0215
FC05	Jay Garvey W 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 0108
FC06	Keonna Feaster W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC07	Joel Solorzano Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EDU 0114
FC08	Thomas Steen Tu 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1146
FC09	Anne Baum F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) SYM 0215
FC10	Tamara Saunders F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EGR 2154
FC11	Erin Iverson F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) TLF 1101
FC12	Stacy Woycheck M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EGR 2116

FC13	Evelyn Cooper M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 1112
FC14	Kimberly Bethke Tu 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) TYD 1114
FC15	Katrina Edwards F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) CHE 2145
FC16	Hilary Sazama F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EDU 3315
FC17	Tiffany Gaines M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1113
FC18	Megan O'Rourke Tu 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 1112
FC19	Ashley Peters F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1111
FC20	April Patty Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 0103
FC21	Rosalyn Anderson-Howell M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ASY 3219
FC22	Alanna Biblow W 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ASY 3219

FC23	Jennifer Runnels Th 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC24	DaFran Ware Tu 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC25	Anissa Marzuki F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) BPS 1238
FC26	Kurt Klier Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1146
FC27	Megan Cleaver Tu 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMZ 3120
FC28	Erin Schlegel F 11:30am - 12:45pm	Seats (Total: 22) PLS 1117
FC29	Kenyatta Crenshaw F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) BPS 1234
FC30	Theresa Bevilacqua Tu 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 1108
FC31	James Cecil F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMP 1109

UNIV100H The Student in the University

UNIV100H The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.*

0924	Stacy Woycheck Th 1:00pm - 2:30pm *Restricted to Chemical & Life Sciences students.*	Seats (Total: 20) HBK 0115
0925	Justin Nero W 1:00pm - 2:20pm *Restricted to Chemical & Life Sciences students.*	Seats (Total: 20) CHM 0124

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool. This course is restricted to freshman and first-year transfer students.

0101	Lori DeBoy W 1:00pm - 2:40pm *Restricted to Music majors only.*	Seats (Total: 20) PAC 2115
0102	Timothy Barney Tu 2:00pm - 3:40pm *Restricted to Communication majors.*	Seats (Total: 0) KEY 0121
0104	Dawn Gavin Tu 2:00pm - 3:40pm *Restricted to Art Studio and Art History majors.*	Seats (Total: 20) ARC 1121
0107	Stefania Amodeo M 2:00pm - 3:40pm *Restricted to Foreign Language majors.*	Seats (Total: 20) JMZ 2207

0109	Jennifer Dunsmore Th 4:00pm - 5:40pm *Restricted to English majors.*	Seats (Total: 20) TWS 0207
0110	Lauren Bundy Th 2:00pm - 3:40pm *Restricted to History majors.*	Seats (Total: 20) KEY 0123
0112	Mary Bell W 3:00pm - 4:40pm *Restricted to Communication majors.*	Seats (Total: 20) WDS 0104
0114	Paula Nadler M 12:00pm - 1:40pm *Restricted to students in the College of Arts and Humanities.*	Seats (Total: 24) TYD 0101
0502	Jennifer Froh M 11:00am - 12:50pm *Restricted to students in the College of Education.*	Seats (Total: 20) EDU 0220

UNIV104 **STEP: Reading and Writing at the College Level**

UNIV104 *(PermReq)* **STEP: Reading and Writing at the College Level; (1 credit)**
Grade Method: REG/P-F.
For STEP Individual Admits only. A workshop designed to enhance students' college level reading and writing abilities to include study skills and strategies for success.

0201	Dahlia Levin M 8:00am - 8:50am *Recommended for student athletes only. This course will meet in Gossett Football Team House.*	Seats (Total: 20) Location: TBA
0301	Thomas Lawton Tu 11:00am - 11:50am	Seats (Total: 23) PLS 1172
0401	Sachi Edwards Tu 11:00am - 11:50am *Recommended for student athletes only. The class will meet in ASCDU in Comcast Center.*	Seats (Total: 15) Location: TBA

UNIV188A **Introduction to Global Communities; Understanding Culture and Cultural Differences**

UNIV188A *(PermReq)* **Introduction to Global Communities: Understanding Culture and Cultural Differences; (1 credit)** Grade Method: REG.
Prerequisite: Enrollment in Global Communities Living-Learning Program.

0101	Kevin McClure Tu 3:30pm - 4:45pm	Seats (Total: 40) DOR 0128
0201	Kevin McClure Th 3:30pm - 4:45pm	Seats (Total: 40) DOR 0128

UNIV288P **Global Communities Colloquium III; Pathways to Global Engagement**

UNIV288P *(PermReq)* **Global Communities Colloquium III: Pathways to Global Engagement; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Enrollment in Global Communities Living-Learning Program.

0101	Justin Van Fleet M 3:30pm - 4:45pm	Seats (Total: 25) DOR 0128
0201	Caitlin Haugen Th 5:30pm - 6:45pm	Seats (Total: 25) DOR 0128

UNIV325 **Beyond the Classroom Seminar I**

UNIV325 Beyond the Classroom Seminar I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program. Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfoliosin preparation of a semester-long internship. Restricted to students in Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents.

0101	James Riker Tu 3:30pm - 6:00pm	Seats (Total: 40) SCC 1102
0201	James Riker W 3:30pm - 6:00pm	Seats (Total: 40) Location: TBA

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325; for students in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	Megan Riley M 5:00pm - 6:00pm	Seats (Total: 15) SCC 1102
0201	Megan Riley Th 3:00pm - 4:00pm	Seats (Total: 15) SCC 1102

UNIV348E **Federal Semester Seminar; Energy and Environmental Policy**

UNIV348E *(PermReq)* **Federal Semester Seminar: Federal Semester Seminar: Energy and Environmental Policy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kathleen Mogelgaard Tu 7:00pm - 10:00pm	Seats (Total: 25) JMZ 2123

UNIV348M **Federal Semester Seminar; U.S. Foreign Policy and the Middle East**

UNIV348M *(PermReq)* **Federal Semester Seminar: U.S. Foreign Policy and the Middle East; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Scott Lasensky Th 4:00pm - 7:00pm *Click here for more course information.*	Seats (Total: 22) HZF 0142

UNIV348P **Federal Semester Seminar; Federal Health Policy**

UNIV348P *(PermReq)* **Federal Semester Seminar: Federal Health Policy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Samuel Kessel	Seats (Total: 25)
	M 4:00pm - 7:00pm	PLS 1119
	Click here for more course information.	

UNIV348T **Federal Semester Seminar; Federal Homeland Security Policy**

UNIV348T *(PermReq)* **Federal Semester Seminar: Federal Homeland Security Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Magdalena Bajll	Seats (Total: 25)
	Tu 6:30pm - 8:30pm	PLS 1119
	Th 6:30pm - 7:30pm	PLS 1119

UNIV378 **Beyond the Classroom Experiential Learning; Beyond Classroom Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Beyond Classroom Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Megan Riley	Seats (Total: 15)
	Contact instructor or department for details.	

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A *(PermReq)* **Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ranelle Manaois	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389K **Special Topics in Undergraduate Studies**

UNIV389K Special Topics in Undergraduate Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Katherine McAdams	Seats (Total: 5)
	Contact instructor or department for details.	

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: UNIV325 and UNIV326.

0101	James Riker	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV399E **Experiential Learning in Undergraduate Studies; Empowering Women: Global Perspectives and Promising Solutions**

UNIV399E Experiential Learning in Undergraduate Studies: Empowering Women: Global Perspectives and Promising Solutions; (1 credit) Grade Method: REG/P-F/AUD.

This seminar series on "empowering women" explores one of the fundamental challenges of our times: how to prevent violence against women, improve maternal health and reproductive rights, strengthen women's economic empowerment, and ensure women's rights and guarantee gender equality. What are the main obstacles to and lessons for realizing promising solutions that empower women and girls around the world today? This series w ill explore how education, health care, economic opportunities and leadership development can foster gender justice and enable women to be full, active and productive members of society. The series will draw directly on the perspectives of nonprofit and civil society leaders through guest presentations and documentary films of successful initiatives to empower women at the local, national,and global levels.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

URSP Urban Studies and Planning Fall 2010

URSP100 **Challenge of the Cities**

URSP100 Challenge of the Cities; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly URBS100. Contemporary urban patterns, trends and problems. Major urban issues, such as: population change, the economy, land use, housing, neighborhood development, fiscal and unemployment crises, and social, environmental, and political controversies of metropolitan areas. International urbanization patterns and policies. Also offered as LASC100.

0101	William Hanna MW 3:00pm - 3:50pm F 3:00pm - 3:50pm	Seats (Total: 20) MCB 1207 ASY 3221	Discussion
0102	William Hanna MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) MCB 1207 TYD 2102	Discussion
0103	William Hanna MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) MCB 1207 TYD 1118	Discussion
0104	William Hanna MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 20) MCB 1207 ASY 3221	Discussion

URSP250 **The Sustainable City: Exploring Opportunities and Challanges**

URSP250 The Sustainable City: Exploring Opportunities and Challanges; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
An exploration, through an interdisciplinary approach, of a number of issues related to making cities more sustainable in terms of environmental protection, economic opportunity, and social justice. The course assist students to develop skills in critical analysis and systems thinking and to use those skills in analyzing sustainability-related problems and potential solutions, and to expand students' understaning of the political implications of crafting and moving towards a sustainable urban future.

FC01	James Cohen TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) ARC 1103	

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP488Z **Selected Topics in Urban Studies and Planning; Film and the City**

URSP488Z Selected Topics in Urban Studies and Planning: Film and the City; (3 credits) Grade Method: REG/AUD.

0101	William Hanna M 7:00pm - 9:30pm	Seats (Total: 23) ASY 3203

URSP601 **Research Methods**

URSP601 Research Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: approved statistics course or permission of instructor. Recommended: URSP 600. Formerly URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Chengri Ding Th 7:00pm - 9:30pm	Seats (Total: 15) ARC 1103

URSP604 **The Planning Process**

URSP604 *(PermReq)* **The Planning Process; (3 credits)** Grade Method: REG/AUD. *Credit will be granted for only one of the following: URSP 604, URBS 656 or URBS 604. Formerly URBS604.* Problem formulation, goal setting, generating and evaluating alternatives, budgeting, implementation. Working with committees and communities, conducting meetings, making decisions, and making presentations. For URSP Majors Only.

0101	Alexander Chen Tu 4:00pm - 6:30pm	Seats (Total: 15) ARC 1101

URSP605 **Planning History and Theory**

URSP605 Planning History and Theory; (3 credits) Grade Method: REG/AUD. Exploration of the major events and issues in United States planning history, the prevailing theories of planning, and the planning history-theory relationship. Emphasis on urban planning.

0101	James Cohen M 7:00pm - 9:35pm	Seats (Total: 25) ARC 1103

URSP606 **Microeconomics of Planning and Public Policy**

URSP606 Microeconomics of Planning and Public Policy; (3 credits) Grade Method: REG.
Not open to students who have completed URSP 630 or URBS 630. Credit will be granted for only one of the following: URSP 606, URBS 606, or URBS 630. Formerly URBS606. Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	John Carruthers Tu 7:00pm - 9:30pm	Seats (Total: 23) ARC 1105

URSP607 **Human Behavior and the Physical Environments**

URSP607 Human Behavior and the Physical Environments; (3 credits) Grade Method: REG/AUD.
Recommended: URSP 603. Formerly URBS607. Theories and research about ways human-produced environments change and are changed by the behavior of individuals and groups.

0101	Sidney Brower W 4:00pm - 6:30pm	Seats (Total: 10) Location: TBA

URSP612 **Geographic Information Systems for Urban Planning**

URSP612 Geographic Information Systems for Urban Planning; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP 612 or URSP 688M. Formerly URSP688M. An introduction to GIS and its application to urban planning. Topics include: thematic mapping, GIS data structure, spatial analysis, Internet GIS, using census data to study urban areas, and examples of urban GIS application. Weekly laboratory and project work use ArcGIS software.

0101	Lynette Boswell W 7:00pm - 9:30pm	Seats (Total: 20) ASY 3221

URSP661 **City and Regional Economic Development Planning**

URSP661 City and Regional Economic Development Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP 606 or URSP 660. Credit will be granted for only one of the following: URSP 661, URBS 440 or URBS 661. Formerly URBS661. Spatial patterns of employment and populations, and models of urban and regional growth and decline. Focus on application of economic theory and urban planning techniques to issues of local economic development and planning.

0101	Marie Howland Th 4:00pm - 6:30pm	Seats (Total: 20) ARC 1101
RD01	Marie Howland Th 4:00pm - 6:30pm	Seats (Total: 2) ARC 1101

URSP664 **Real Estate Development for Planners**

URSP664 Real Estate Development for Planners; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP 606. Credit will be granted for only one of the following: URSP 664 or URSP 688F. Formerly URSP688F. Planning, Architectural and Public Policy students are introduced to the real estate development process primarily from the point of view of the private entrepreneurial developer. It will include the steps in undertaking a real estate development from the initial concept to the property management and final disposition, the basic financial and tax concepts underlying real estate development, a review of national housing policy,including public-private partnerships, and solving specific real estate development problems using financial spread-sheets.

0101	David Falk	Seats (Total: 20)
	M 4:00pm - 6:30pm	TYD 1108

URSP673 **Social Planning**

URSP673 Social Planning; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: URSP 673, URBS 683, or URBS 673. Formerly URBS673. Planning programs and policies in health, education, and social welfare. Strategies for organizational and community change and development.

0101	Howell Baum	Seats (Total: 20)
	W 4:00pm - 6:30pm	TYD 2110

URSP688Z **Recent Developments in Urban Studies; Film and the City**

URSP688Z Recent Developments in Urban Studies: Film and the City; (3 credits) Grade Method: REG/AUD.

0101	William Hanna	Seats (Total: 5)
	M 7:00pm - 9:30pm	ASY 3203

URSP708 **Community Planning Studio**

URSP708 Community Planning Studio; (6 credits) Grade Method: REG/AUD.
Course will meet in the Community Planning Studio.

0101	Sidney Brower Tu 10:00am - 1:00pm Th 9:00am - 12:00pm	Seats (Total: 10) Location: TBA ARC 1121

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.

0101	James Cohen Contact instructor or department for details.	Seats (Total: 20)

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 graduate credit hours in URSP. For URSP majors only. Formerly URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP804 **Advanced Planning Theory**

URSP804 Advanced Planning Theory; (3 credits) Grade Method: REG/AUD. Relations between theory and practice in planning. Ways of developing and using knowledge in collective action. Challenges to organizing for planning, finding knowledge useful for planning and balancing social attachments with free inquiry. This course is a required core course for the PH.D. program in Urban and Regional Planning and Design.

0101	Howell Baum	Seats (Total: 15)
	M 1:00pm - 3:35pm	EGR 3111

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Fall 2010

USLT201 **U.S. Latina/o Studies I: An Historical Overview to the 1960's**

USLT201 U.S. Latina/o Studies I: An Historical Overview to the 1960's; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Interdisciplinary course focusing on demographics, terminology and social constructs of race, class, ethnicity, indigeneity, gender, and sexuality associated with the historical and political roots of US Latinidades. Examines the formation, evolution an adaptation of US Latina/o communities as critical field of inquiry.

0101	Ana Rodriguez	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2136

USLT498A **US Latina/o Studies: Special Topics; Latinas/os on the Silver Screen**

USLT498A US Latina/o Studies: Special Topics: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498G.

0101	Robert Chester	Seats (Total: 35)
	Th 4:00pm - 6:40pm	KEY 1117

USLT498B **US Latina/o Studies: Special Topics; Latinas/os and US Popular Culture**

USLT498B US Latina/o Studies: Special Topics: Latinas/os and US Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498M.

0101	Robert Chester	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HZF 0101

USLT498C **US Latina/o Studies: Special Topics; US Latina/o Racial Formations**

USLT498C US Latina/o Studies: Special Topics: US Latina/o Racial Formations; (3 credits) Grade Method: REG/P-F/AUD.
This course will historicize major events that shaped U.S. Latinos as a racialized group. Competing and overlapping understandings of race, nationality, and ethnicity among various Latino groups will be explored. Course will also consider the role of mestizaje, AfroLatinidad, and emerging ethnoracial Latina/o identities. Also offered as AMST498T.

0101	Ana Perez	Seats (Total: 30)
	MW 2:00pm - 3:15pm	JMP 2202

VMSC Veterinary Medical Sciences Fall 2010

VMSC610 **Recombinant Viral Vectors**

VMSC610 *(PermReq)* **Recombinant Viral Vectors; (3 credits)** Grade Method: REG/AUD.

Prerequisite: permission of instructor. A comprehensive presentation of information on the molecular biology of the most relevent viral vectors developed to date and give insight on vector contruction, purification and utilization. Also intended for students in virology and related fields as well as to those interested in the application of viral vectors to basic research.

0101	Ioannis Bossis	Seats (Total: 20)
	W 1:00pm - 4:00pm	Location: TBA

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 20)
	TBA	GVC 1216

VMSC688C **Special Topics in Veterinary Medical Sciences; Biology and Epidemiology of Zoonotic Viral Diseases**

VMSC688C Special Topics in Veterinary Medical Sciences: Biology and Epidemiology of Zoonotic Viral Diseases; (2 credits) Grade Method: REG.

0101	Daniel Perez	Seats (Total: 10)
	W 9:00am - 11:00am	GVC 1216

VMSC689 **Use of Genomics and Proteomics in Infectious Disease**

VMSC689 Use of Genomics and Proteomics in Infectious Disease; (3 credits) Grade Method: REG/AUD.

0101	Utpal Pal	Seats (Total: 20)
	F 1:00pm - 4:00pm	GVC 1216

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1-3 credits) Grade Method: REG.
Class will meet in 1216 Gudelsky Building.

0101	Yanjin Zhang	Seats (Total: 20)
	Th 11:00am - 12:00pm	GVC 1216

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC760 **Immunology of Infectious Diseases**

VMSC760 Immunology of Infectious Diseases; (3 credits) Grade Method: REG/AUD.
Prerequisite: MICB750 or equivalent; or permission of instructor. An advanced graduate level course that focuses on the cutting-edge knowledge of immunity and recent research breakthroughs in the interactions between host immune system and infectious pathogen, and vaccine development

0101	Xiaoping Zhu	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	GVC 1216

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Fall 2010

WMST200 **Introduction to Women's Studies: Women and Society**

WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women. WMST 200 (or WMST 250) is a prerequisite for WMST 400.

0101	Mary Bazemore TuTh 9:30am - 10:45am	Seats (Total: 25) WDS 1130
0201	Mary Bazemore TuTh 12:30pm - 1:45pm	Seats (Total: 25) WDS 0104
0301	Jeannette Soon-Ludes TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1114
0401	Jeannette Soon-Ludes TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 1114

WMST210 **Women in America to 1880**

WMST210 Women in America to 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST210. Credit will be granted for only one of the following: WMST210 or HIST210. An examination of the economic, family, and political roles of colonial, slave, immigrant and frontier women in America from the pre-industrial colonial period through the early stages of nineteenth century industrialization and urbanization.

0101	Clare Lyons MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 SYM 0215	Discussion
0102	Clare Lyons MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0103	Discussion
0103	Clare Lyons MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) SQH 1120 SQH 1101	Discussion
0104	Clare Lyons MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0121	Discussion

WMST212 **Women in Western Europe 1750-Present**

WMST212 Women in Western Europe 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST212. Credit will be granted for only one of the following: WMST212 or HIST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0125	Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 ARM 0101	Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1124	Discussion

0104	Gay Gullickson TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 HZF 0106	Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women. WMST 250 (or WMST 200) is a prerequisite for WMST 400.

0101	yh Patt TuTh 9:30am - 10:45am	Seats (Total: 25) HBK 0302J
0201	yh Patt TuTh 11:00am - 12:15pm	Seats (Total: 25) HBK 0302J
0301	Julie Enszer TuTh 11:00am - 12:15pm	Seats (Total: 25) HZF 0106
0401	Julie Enszer TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 1130
0501	Genevieve Page TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1130
0601	Genevieve Page TuTh 2:00pm - 3:15pm	Seats (Total: 23) HZF 0106
0701	Laura Kalman Brunner MWF 10:00am - 10:50am	Seats (Total: 25) WDS 1130
0801	Lara Torsky MWF 11:00am - 11:50am	Seats (Total: 25) WDS 0104

0901	Ana Perez MWF 12:00pm - 12:50pm	Seats (Total: 25) WDS 1114	
FC01	Bettina Judd MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) KEY 0126	
FC02	Bettina Judd MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) WDS 1130	

WMST255 **Introduction to Literature by Women**

WMST255 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Also offered as ENGL250. Credit will be granted for only one of the following: WMST255 or ENGL250.* Images of women in literature by and about women.

0101	Martha Nell Smith MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0102	Martha Nell Smith MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 TWS 0221	Discussion
0104	Martha Nell Smith MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 TWS 0201	Discussion
0105	Martha Nell Smith MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 TWS 0234	Discussion
0106	Martha Nell Smith MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 TWS 0221	Discussion

0108	Martha Nell Smith MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 TWS 0214	 Discussion

WMST263 **Introduction to Black Women's Studies**

WMST263 Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298I. Credit will be granted for only one of the following: WMST298A, AASP298I, or AASP298S. Formerly WMST298A. Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Michelle Rowley TuTh 2:00pm - 3:15pm	Seats (Total: 30) SYM 0215

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT275. Credit will be granted for only one of the following: WMST275 or CMLT275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Liora Moriel MW 9:30am - 10:45am	Seats (Total: 35) SQH 1121
0201	Amy Karp MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 2122
0301	James Hodapp TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 2120
0401	Almila Ozdek TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101

WMST298D **Women's Bodies in Contention**

WMST298D Women's Bodies in Contention; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. ***One of the "I" Courses for Fall 2010: Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 11) PHY 1201 CHE 2116	Discussion
0102	Deborah Rosenfelt Tu 2:00pm - 3:40pm F 11:00am - 11:50am	Seats (Total: 11) PHY 1201 PLS 1162	Discussion
0103	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 11) PHY 1201 EGR 3114	Discussion
0104	Deborah Rosenfelt Tu 2:00pm - 3:40pm F 12:00pm - 12:50pm	Seats (Total: 11) PHY 1201 PLS 1162	Discussion
0105	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 11) PHY 1201 BPS 1238	Discussion
0106	Deborah Rosenfelt Tu 2:00pm - 3:40pm F 1:00pm - 1:50pm	Seats (Total: 11) PHY 1201 CHE 2116	Discussion

WMST298E **Special Topics in Women's Studies; Women and Film**

WMST298E Special Topics in Women's Studies: Women and Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Elsa Barkley Brown W 2:00pm - 4:30pm	Seats (Total: 35) HBK 0302J	

WMST314 **Black Women in United States History**

WMST314 Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as AASP313 and HIST329E. Credit will be granted for only one of the following: AASP498W, AASP313, HIST329E, WMST314 or WMST498N. Formerly WMST498N. Black American women's history from slavery to the present. Focused on gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social-change agents.

0101	Elsa Barkley Brown Tu 3:30pm - 6:00pm	Seats (Total: 35) KEY 0116

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Prerequisite: Three credits of sociology. Also offered as SOCY325. Credit will be granted for only one of the following: WMST325 or SOCY325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Michelle Corbin MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Michelle Corbin MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Valerie Chepp TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as PSYC336. Credit will be granted for only one of the following: WMST336 or PSYC336. A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students or WMST students only.

0101	Nazish Salahuddin MW 3:30pm - 4:45pm	Seats (Total: 110) BPS 1243
0201	Nazish Salahuddin TuTh 11:00am - 12:15pm	Seats (Total: 110) BPS 1243

WMST348F **Literary Works by Women; Women on the Frontier**

WMST348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL 348F.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0236

WMST348W **Literary Works by Women; Women Abolitionists**

WMST348W Literary Works by Women: Women Abolitionists; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Shirley Logan MW 2:00pm - 3:15pm	Seats (Total: 35) TWS 0207

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F.
Prerequisite: Learning Proposal approved by Women's Studies Academic Advisor. Junior standing.

0101	Laura Nichols Contact instructor or department for details.	Seats (Total: 8)

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: one course in WMST or a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Katie King TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 0103

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as JOUR452. Credit will be granted for only one of the following: WMST452 or JOUR452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers TuTh 3:30pm - 4:45pm	Seats (Total: 20) KNI 1208

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as HLTH471. Credit will be granted for only one of the following: WMST471 or HLTH471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Carolyn Voorhees MWF 9:00am - 9:50am	Seats (Total: 200) SPH 1312

WMST488G **Senior Seminar; Gender and Development**

WMST488G *(PermReq)* **Senior Seminar: Gender and Development; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michelle Rowley W 3:00pm - 5:30pm	Seats (Total: 15) WDS 2101R

WMST498M **Advanced Special Topics in Women's Studies; A History of Sexualities**
Contact department for information to register for this course.

WMST498N **Advanced Special Topics in Women's Studies; Gender and Performance**

WMST498N Advanced Special Topics in Women's Studies: Gender and Performance; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey McCune Jr. Th 3:00pm - 5:30pm	Seats (Total: 30) TYD 0117

WMST498P **Advanced Special Topics in Women's Studies; Sociology of Reproduction**

WMST498P Advanced Special Topics in Women's Studies: Sociology of Reproduction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Emily Mann MW 3:30pm - 4:45pm	Seats (Total: 35) ASY 3207

WMST498T **Advanced Special Topics in Women's Studies; Media and Feminist Studies**

WMST498T Advanced Special Topics in Women's Studies: Media and Feminist Studies; (3 credits) Grade Method: REG/P-F/AUD.
This course provides a broad introduction to the intersections of feminist scholarship and media studies. Readings and examples will span print cultures; film, TV and visual cultures; music and sound cultures; digital media and cyberspace.

0101	Tara Rodgers W 3:00pm - 5:30pm	Seats (Total: 35) WDS 1114

WMST498X **Advanced Special Topics in Women's Studies; Domestic Violence**

WMST498X *(PermReq)* **Advanced Special Topics in Women's Studies: Domestic Violence; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as PSYC318D. Prerequisite: PSYC100 and permission of the Psychology department. Contact Marcy Marinelli mmarinelli@psyc.umd.edu.

0101	Karen O'Brien	Seats (Total: 35)
	MW 8:00am - 9:15am	BPS 1124

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST601 **Approaches to Women's Studies I**

WMST601 *(PermReq)* **Approaches to Women's Studies I; (3 credits)** Grade Method: REG.
Prerequisite: WMST400 or equivalent. Examines two fundamental concepts in women's studies: intersectionality and interdisciplinarity. Looks at how feminisms have shaped and been shaped by knowledge-production within and across disciplinary boundaries, cultures, and paradigms. Develops an appreciation of intersectional theory as a critical research tool and as a set of responses to issues of power, domination, oppression and other loci of difference.

0101	Katie King	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	WDS 2101R

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG. Prerequisite: permission of department. For Women's Studies students only.

0101	Deborah Rosenfelt	Seats (Total: 4)
	TBA	WDS 1127

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. For Women's Studies students only.

0101	Bonnie Dill	Seats (Total: 10)
	Contact instructor or department for details.	

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F.

0101	Seung-Kyung Kim	Seats (Total: 12)
	Contact instructor or department for details.	

WMST698B **Special Topics in Women's Studies; Black Women in United States History**

WMST698B Special Topics in Women's Studies: Black Women in United States History; (3 credits) Grade Method: REG/AUD.
Also offered as AMST629B and HIST639B.

0101	Elsa Barkley Brown	Seats (Total: 12)
	M 6:00pm - 8:30pm	TLF 2100

WMST698C **Special Topics in Women's Studies; Gender and Performance**

WMST698C Special Topics in Women's Studies: Gender and Performance; (3 credits) Grade Method: REG/AUD.
Prerequisite: One course in WMST or a course cross-listed with a WMST course.

0101	Jeffrey McCune Jr.	Seats (Total: 30)
	Th 3:00pm - 5:30pm	TYD 0117

WMST698I **Special Topics in Women's Studies; Gender and Labor Politics**

WMST698I Special Topics in Women's Studies: Gender and Labor Politics; (3 credits) Grade Method: REG/AUD.

0101	Seung-Kyung Kim	Seats (Total: 15)
	M 3:00pm - 5:30pm	WDS 2101R

WMST698J **Special Topics in Women's Studies; Feminist Cultural Criticism of Diasporic Texts**

WMST698J Special Topics in Women's Studies: Feminist Cultural Criticism of Diasporic Texts; (3 credits) Grade Method: REG/AUD.

0101	Psyche Williams-Forson Tu 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

WMST698X **Special Topics in Women's Studies; Media and Feminist Studies**

WMST698X Special Topics in Women's Studies: Media and Feminist Studies; (3 credits) Grade Method: REG/AUD.

0101	Tara Rodgers W 3:00pm - 5:30pm	Seats (Total: 35) WDS 1114

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0601	Jeffrey McCune Jr. Contact instructor or department for details.	Seats (Total: 2)
0701	Claire Moses Contact instructor or department for details.	Seats (Total: 2)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.